

Exam Questions 70-480

Programming in HTML5 with JavaScript and CSS3

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NEW QUESTION 1

DRAG DROP

You are validating user input by using JavaScript and regular expressions. A group of predefined regular expressions will validate two input fields:

An email address in a function named validateEmail (for example, firstname@contoso.com)

A nine-digit number that allows optional hyphens after the second and fifth character in a function named validateSSN (for example, 555555555 or 555-55-5555)

You need to use the correct expression to validate the input.

Which expression should you insert into each function? (To answer, drag the appropriate regular expression statement to the correct location. Each regular expression statement may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

`/^\d{1,2}(\-|\/|\.)\d{1,2}\1\d{4}$/;`

`/^[0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;`

`/^[0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;`

`/^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;`

`/^[0-9]{3}+@[a-zA-Z0-9.-]+\.[0-9]{2,4}$/;`

Answer Area

```
function validateSSN(userinput) {
    var ssnPattern =
    return ssnPattern.test(userinput);
}
```

```
function validateEmail(userinput) {
    var emailPattern =
    return emailPattern.test(userinput);
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
/^\d{1,2}(\-|\/|\.)\d{1,2}\1\d{4}$/;
```

```
/^[0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
```

```
/^[0-9]{3}+@[a-zA-Z0-9.-]+\.[0-9]{2,4}$/;
```

Answer Area

```
function validateSSN(userinput) {  
    var ssnPattern =  
        /^[0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;  
  
    return ssnPattern.test(userinput);  
}
```

```
function validateEmail(userinput){  
    var emailPattern =  
        /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;  
  
    return emailPattern.test(userinput);  
}
```

NEW QUESTION 2

You are developing a customer web form that includes the following HTML.

```
<input id="txtValue" type="text" />
```

A customer must enter a valid age in the text box prior to submitting the form. You need to add validation to the control.

Which code segment should you use?

- ☐ A.

```
function validate() {
    var value = $("#txtValue").text();
    var regex = /^[d\,\.\.]*$/;
    if (!regex.test(value) || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ B.

```
function validate() {
    var name = $("#txtValue").val();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ C.

```
function validate() {
    var name = $("#txtValue").text();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ D.

```
function validate() {
    var value = $("#txtValue").val();
    var regex = /^[d\,\.\.]*$/;
    if (!regex.test(value) || value == "")
        alert("please enter valid value");
    return;
}

return emailPattern.test(userinput);
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

.val
 Return value
 A string containing the value of the element, or an array of strings if the element can have multiple values

NEW QUESTION 3

You are developing a customer web form that includes the following HTML.

<label id="txtValue"X/label>

Information from the web form is submitted to a web service. The web service returns the following JSON object.

```
{
  "Confirmation": "1234", "FirstName": "John"
}
```

You need to display the Confirmation number from the JSON response in the txtValue label field.

Which JavaScript code segment should you use?

- A. `$("#txtValue").val = (JSONObject.Confirmation);`
 B. `$("#txtValue").val (JSONObject.Confirmation);`
 C. `$("#txtValue").text = (JSONObject.Confirmation);`
 D. `$("#txtValue").text (JSONObject.Confirmation);`

Answer: D

Explanation:

Incorrect:
 not A, not B: A label object has no value attribute. Reference:
<http://api.jquery.com/text/>

NEW QUESTION 4

HOTSPOT

You are developing a web application that retrieves data from a web service. The data being retrieved is a custom binary datatype named bint. The data can also be represented in XML.

Two existing methods named `parseXml()` and `parseBint()` are defined on the page. The application must:
 Retrieve and parse data from the web service using binary format if possible
 Retrieve and parse the data from the web service using XML when binary format is not possible You need to develop the application to meet the requirements.
 What should you do? (To answer, select the appropriate options from the drop-down lists in the answer area.)

```
var request = $.ajax({
  uri: '/',
  if (request.getResponseHeader("Content-Type") == "application/bint")
  dataFilter: function (data, type) {
    if (request.getResponseHeader("Content-Type") == "application/bint")
      return parseBint(data);
    else
      return parseXml(data);
  },
  success: function (data) {
    start(data);
  }
});
```

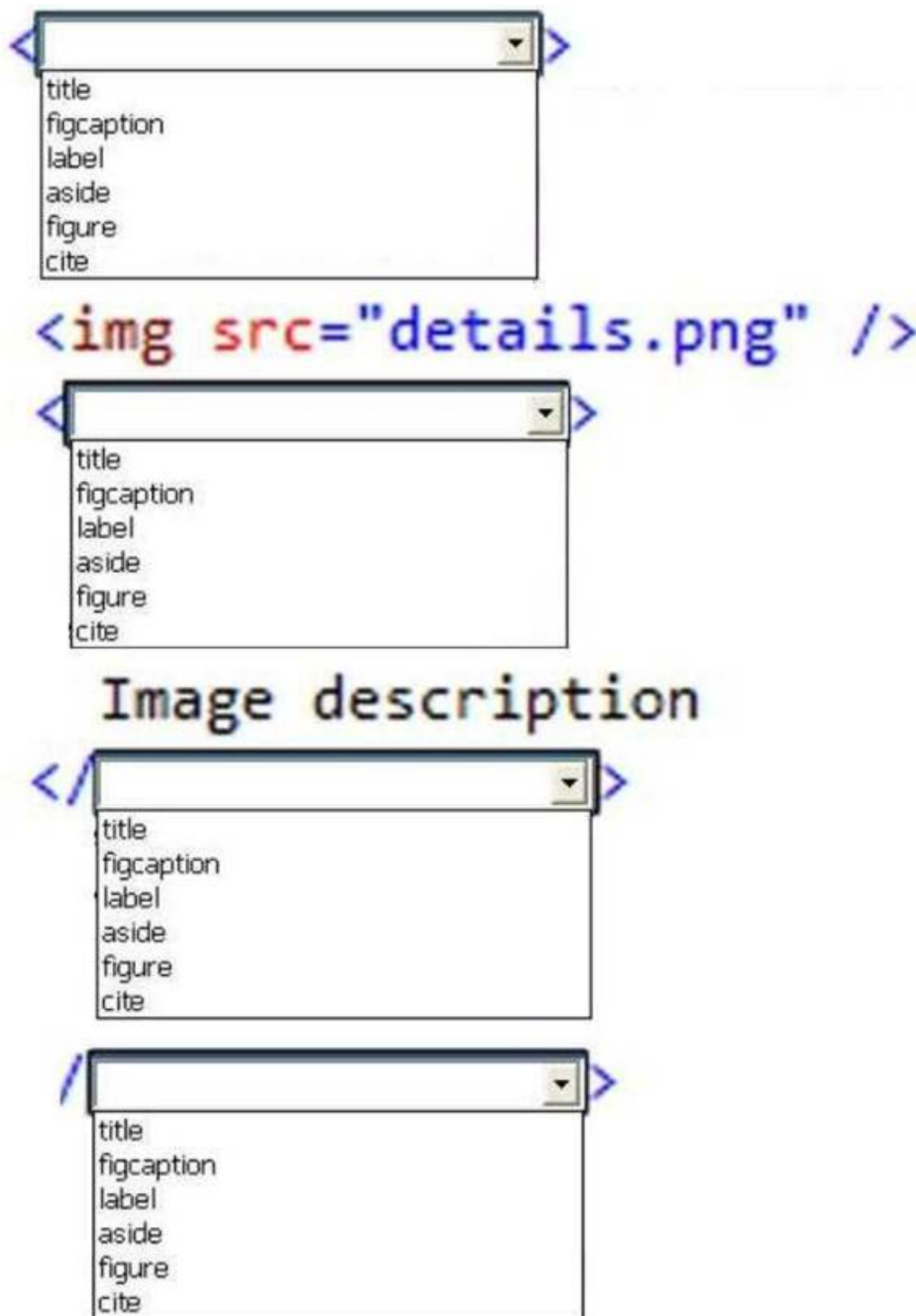
```
var request = $.ajax({
  uri: '/',
  if (request.getResponseHeader("Content-Type") == "application/bint")
  if (request.getResponseHeader("Content-Type") == "application/bint")
  if (type == "application/bint")
  if (request.mimeType == "application/bint")
  accepts: 'application/bint, text/xml',
  contentType: 'application/bint, text/xml',
  dataType: 'application/bint, text/xml',
  dataFilter: function (data, type) {
    if (request.getResponseHeader("Content-Type") == "application/bint")
    if (request.getResponseHeader("Content-Type") == "application/bint")
    if (type == "application/bint")
    if (request.mimeType == "application/bint")
    accepts: 'application/bint, text/xml',
    contentType: 'application/bint, text/xml',
    dataType: 'application/bint, text/xml',
    return parseBint(data);
    else
      return parseXml(data);
  },
  success: function (data) {
    start(data);
  }
});
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

* accepts : 'application/bint, text/xml'
 accepts:'application/bin,text/xml' to accept only XML and binary content in HTML responses.
 * Use the following condition to check if the html response content is binary: `If(request.getResponseHeader("Content-Type")== "application/bint")`
 * `var request = $.ajax({ uri:'/',`
`accepts: 'application/bint, text/xml', datafilter: function(data,type){`
`if(request.getResponseHeader("Content-Type")== "application/bint") return parseBint(data);`
`else`
`return parseXml();`
`},`
`success: function (data) { start(data);`



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The <figure> element

The <figure> element is intended to be used in conjunction with the <figcaption> element to mark up diagrams, illustrations, photos, and code examples (among other things).

Example:

```
<figure>

<figcaption>A cheeky macaque, Lower Kintaganban River, Borneo. Original by <a href="http://www.flickr.com/photos/rclark/">Richard Clark</a></figcaption>
</figure>
```

Reference: The figure & figcaption elements

NEW QUESTION 8

You are developing an HTML5 page that has an element with an ID of logo. The page includes the following HTML.

```
<div> Logo:<br>
<div id="logo">
</div>
</div>
```

You need to move the logo element lower on the page by five pixels.

Which lines of code should you use? (Each correct answer presents part of the solution. Choose two.)

- A. document.getElementById("logo").style.position = "relative";
- B. document.getElementById("logo").style.top = "5px";
- C. document.getElementById("logo").style.top = "-5px";
- D. document.getElementById("logo").style.position = "absolute";

Answer: AB

Explanation:

* style.position = "relative";

The element is positioned relative to its normal position, so "left:20" adds 20 pixels to the element's LEFT position.

* For relatively positioned elements, the top property sets the top edge of an element to a unit above/below its normal position.

Example: Example

Set the top edge of the image to 5px below the top edge of its normal position: img {

position: relative; top: 5px;

}

Reference: CSS position Property; CSS top Property http://www.w3schools.com/cssref/pr_class_position.asp http://www.w3schools.com/cssref/pr_pos_top.asp

NEW QUESTION 9

HOTSPOT

You are creating a web worker for an HTML5 application.

The following tasks must be performed from within the web worker: Register an event listener for the web worker

Start and stop the web worker

You need to define a function that performs the required tasks.

Which code segment should you use? (To answer, select the appropriate option from the drop-down list in the answer area.)

self.postMessage("Worker: ' + data);

var data = event.data;

switch (data.cmd) {

case 'start':

self.postMessage("Worker: ' + data);

break;

case 'stop':

self.postMessage("Worker: ' + data);

break;

default:

self.postMessage('Try again: ' + data.msg);

default:

self.postMessage('Try again: ' + data.msg);

};

}, false);


```

self.postMessage('Worker: ' + data);
self.postMessage('Worker: ' + data);
self.addEventListener('message', function(event));
self.attachEvent('Worker', data);
self.terminate();
self.close();

var data = event.data;

switch (data.cmd) {
  case 'start':

    self.postMessage('Worker: ' + data);
    self.postMessage('Worker: ' + data);
    self.addEventListener('message', function(event));
    self.attachEvent('Worker', data);
    self.terminate();
    self.close();

    break;

  case 'stop':

    self.postMessage('Worker: ' + data);
    self.postMessage('Worker: ' + data);
    self.addEventListener('message', function(event));
    self.attachEvent('Worker', data);
    self.terminate();
    self.close();

    break;

  default:

    self.postMessage('Try again: ' + data.msg);
    default:
      self.postMessage('Try again: ' + data.msg);
};
}, false);

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* addEventListener

The addEventListener() method attaches an event handler to the specified element.

In context of a worker, both self and this refer to the global scope. The worker can either add an event listener for the message event, or it can define the onmessage handler to listen for any messages sent by the parent thread.

* postmessage

Pass a message to the worker.

* close()

Terminating Workers

Workers are resource-intensive; they are OS-level threads. Therefore, you do not want to create a large number of worker threads, and you should terminate the web worker after it completes its work. Workers can terminate themselves, like this:

```
self.close();
```

Reference: HTML DOM addEventListener() Method; The Basics of Web Workers

NEW QUESTION 10

You are creating a JavaScript function that displays the name of a web application. You declare the following button element.

```
<input type="button" id="About" value="About" />
```

When a user clicks the button, a JavaScript function named About must be called.

You need to create an event handler that calls the About function when the button is clicked.

Which two code segments can you use? (Each correct answer presents a complete solution. Choose two.)

- ☐ A. `var button = document.getElementById("About");
ScriptEngine.call(button, About());`
- ☐ B. `var button = document.getElementById("About");
ScriptEngine.bind(button, About());`
- ☐ C. `var button = document.getElementById("About");
button.addEventListener("click", About);`
- ☐ D. `var button = document.getElementById("About");
button.attachEvent("onclick", About);`

A. Option A
B. Option B
C. Option C
D. Option D

Answer: CD

Explanation:

C: addEventListener

The addEventListener() method attaches an event handler to the specified element.

In context of a worker, both self and this refer to the global scope. The worker can either add an event listener for the message event, or it can define the onmessage handler to listen for any messages sent by the parent thread.

D: attachEvent method

Registers an event handler function (event listener) for the specified event on the current object.

Reference: addEventListener method; attachEvent method <http://help.dottoro.com/ljeuqqoq.php> <http://help.dottoro.com/ljinxrmt.php>

NEW QUESTION 10

You need to test the value of the following variable in JavaScript. `var length = "75";`

A block of code must execute if the length equals 75 regardless of the data type. You need to use the statement that meets this requirement.

Which lines of code should you use? (Each correct answer presents a complete solution. Choose two.)

- A. `if (length == 75)`
B. `if (length == "75")`
C. `if (length != 75)`
D. `if (length == "75")`

Answer: BD

Explanation:

When comparison is made using double-equals operator (==), it will check the values of variable and convert them to a common type and returns true if both are equals. So comparing number with string having the same value will return true.

Examples: examples: 1

`console.log(23 == "23"); // true`

2

`console.log(1 == true); // true` Incorrect:

not ===: This is "strict" or "identical" equality.

Reference: JavaScript Triple Equals Operator vs Double Equals Operator (=== vs ==)

NEW QUESTION 14

You are developing an application that uses a third-party JavaScript library named doWork(). The library occasionally throws an "object is null or undefined" error with an error code of -2146823281.

The application must:

Extract and handle the exceptions thrown by doWork() Continue normal program execution if other exceptions occur You need to implement the requirements.

Which code segment should you use?

- ☐ A. `if (doWork() == -2146823281) {
 ...
}`
- ☐ B. `if (doWork() == "object is null or undefined") {
 ...
}`
- ☐ C. `try {
 doWork();
} catch(e) {
 if (e.number == -2146823281)
 ...
}`
- ☐ D. `try {
 doWork();
} catch(e) {
 if (e.message == -2146823281)
 ...
}`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: C

Explanation:

* The try statement lets you test a block of code for errors. The catch statement lets you handle the error.

The JavaScript statements try and catch come in pairs: try {

Block of code to try

}

catch(err) {

Block of code to handle errors

}

* object.number [= errorNumber]

Returns or sets the numeric value associated with a specific error. The Error object's default property is number.

* Example:

The following example causes an exception to be thrown and displays the error code that is derived from the error number.

```
try
{
// Cause an error. var x = y;
}
catch(e)
{
document.write ("Error Code: "); document.write (e.number & 0xFFFF) document.write ("<br />");
document.write ("Facility Code: ") document.write(e.number>>16 & 0x1FFF) document.write ("<br />");
document.write ("Error Message: ") document.write (e.message)
}

```

The output of this code is as follows. Error Code: 5009

Facility Code: 10

Error Message: 'y' is undefined

Reference: JavaScript Errors - Throw and Try to Catch; number Property (Error) (JavaScript)

NEW QUESTION 18

You are developing a web application that consumes services from a third-party application. A web worker processes the third-party application requests in the background. A page in the application instantiates the web worker process.

You need to establish two-way communications between the web worker process and the page. Which two actions will achieve this goal? (Each correct answer presents a complete solution. Choose two.)

- A. From the web worker, use the onconnect event handler of the main page to capture events.
 B. From the main page, use the onmessage event handler of the web worker to capture events.
 C. From the web worker, use the onmessage event handler of the main page to capture events.
 D. From the main page, use the onconnect event handler of the web worker to capture events.

Answer: BC

Explanation:

* When postMessage() is called from the main page, our worker handles that message by defining an onmessage handler for the message event.

* Server-Sent Events - One Way Messaging

A server-sent event is when a web page automatically gets updates from a server. Receive Server-Sent Event Notifications

The EventSource object is used to receive server-sent event notifications:

Example

```
var source = new EventSource("demo_sse.php"); source.onmessage = function(event) {
document.getElementById("result").innerHTML += event.data + "<br>";
};
```

Reference: http://www.w3schools.com/html/html5_serversentevents.asp <http://www.html5rocks.com/en/tutorials/workers/basics/>

NEW QUESTION 19

DRAG DROP

You are developing an online shopping application that accepts credit cards for payment. If the credit card number is invalid, the application must:

Generate an error

Assign "200" to the error number Assign "Invalid" to the error description

You need to write the code that meets the requirements.

How should you write the code? (To answer, drag the appropriate code segment or segments to the correct location in the answer are

A. Mastered

B. Not Mastered

Answer: A

Explanation:



Example: throw new Error(200, "x equals zero"); Reference: throw Statement (JavaScript)

NEW QUESTION 21

You are developing an HTML5 page that includes several paragraph elements. You have the following requirements:

Add a drop shadow that is one inch below the text in the paragraph Set the radius of the drop shadow to five pixels

You need to style the paragraphs to meet the requirements. Which CSS style should you use?

A. text-shadow: 72pt 0pt 5pt

B. text-shadow: 5px 1in 0px;

C. text-shadow: 72pt 5em 0px

D. text-shadow: 72pt 0em 5px;

Answer: D

Explanation:

D is the most correct.

Reference: CSS Text Module Level 3 <http://www.w3.org/TR/css3-text/#text-shadow> Note:

All options are incorrect nearest correct answers are B or D.

#obj {text-shadow: <x-offset><y-offset><blur-radius><color>; }

<x-offset> +n right -n left

<y-offset> +n bottom -n top

1 inch below means <y-ffset> is 1in or 72 pt Hence actually answer must be

0px, 1in, 5px or

0px, 72pt, 5px

NEW QUESTION 24

You are creating a web form that users will use to enter their personal information. The form includes the following HTML.


```
<body>
  <table>
    <tr>
      <td>Item</td>
      <td>Input</td>
      <td>Current</td>
    </tr>
    <tr>
      <td>First Name</td>
      <td>
        <input type="text" />
      </td>
      <td></td>
    </tr>
    <tr>
      <td>Last Name</td>
      <td>
        <input type="text" />
      </td>
      <td></td>
    </tr>
  </table>
</body>
```

You have the following requirements:

When a user enters an input box, the cell on the right must turn green. When a user leaves an input box, the cell on the right must turn white. You need to create the web form to meet these requirements.

Which code segment should you use? nth-child

☐ A. `$(document).ready(function () {
 $('table td: nth-child(2) input').focus(
 function () {
 $(this).parent().next().css
 ("background-color", "#00FF00");
 });
 $('table td: nth-child(2) input').blur(
 function () {
 $(this).parent().next().css
 ("background-color", "#FFFFFF");
 });
 });`

☐ B. `$(document).ready(function () {
 $('table td: eq(2) input').focus(
 function () {
 $(this).parent().parent().next().css
 ("background-color", "#00FF00");
 });
 $('table td: eq(2) input').blur(
 function () {
 $(this).parent().parent().next().css
 ("background-color", "#FFFFFF");
 });
 });`

☐ C. `$(document).ready(function () {
 $('table td:eq(2) input').focus(
 function () {
 $(this).parent().next().css
 ("background-color", "#00FF00");
 });
 $('table td:eq(2) input').blur(
 function () {
 $(this).parent().next().css
 ("background-color", "#FFFFFF");
 });
 });`

☐ D. `$(document).ready(function () {
 $('table td:nth-child(2) input').focus(
 function () {
 $(this).parent().parent().next().css
 ("background-color", "#00FF00");
 });
 $('table td:nth-child(2) input').blur(
 function () {
 $(this).parent().parent().next().css
 ("background-color", "#FFFFFF");
 });
 });`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

* The :nth-child(n) selector matches every element that is the nth child, regardless of type, of its parent. n can be a number, a keyword, or a formula. Example
 Specify a background color for every <p> element that is the second child of its parent: p:nth-child(2) {
 background: #ff0000;
 }
 * parent.next()
 Here: the cell to the right of the current cell. Reference: CSS3 :nth-child() Selector

NEW QUESTION 28

You are developing a web page by using HTML5. You have the following requirements:

An H1 element must be placed at the top left corner of the page.

The size and location of the H1 element must not change if additional elements are added to the page.

You need to position the H1 element on the page. Which CSS3 style should you use?

- ☐ A. `h1 { position: absolute; left: 0px; top: 0px; }`
- ☐ B. `h1 { position: absolute; left: 100%; top: 100%; }`
- ☐ C. `h1 { position: static; left: 100%; top: 100%; }`
- ☐ D. `h1 { position: static; left: 0px; top: 0px; }`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: A

Explanation:

* The position property specifies the type of positioning method used for an element (static, relative, absolute or fixed).

absolute: The element is positioned relative to its first positioned (not static) ancestor element

* For absolutely positioned elements, the left property sets the left edge of an element to a unit to the left/right of the left edge of its containing element.

CSS Syntax

left: auto|length|initial|inherit;

length: Sets the left edge position in px, cm, etc. Incorrect:

position static: Default value. Elements render in order, as they appear in the document flow Reference: CSS position Property; CSS left Property

NEW QUESTION 31

You are styling a box object on a page by using CSS3. You need to set the transparency of the object to 50%.

Which two CSS3 styles will achieve the goal? (Each correct answer presents a complete solution.

Choose two.)

- ☐ A. `.Box { background: rgb(255,0,0); backface-visibility: hidden; }`
- ☐ B. `.Box { background: rgb(255,0,0); background: rgba(255,0,0,.5); }`
- ☐ C. `.Box { background: rgb(255,0,0); opacity: 0.5; }`
- ☐ D. `.Box { background: rgb(255,0,0); background-color: #fff; }`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: BC

Explanation:

The RGBA declaration allows you to set opacity (via the Alpha channel) as part of the color value. Example:

```
div { background-color: rgba(255,0,0,0.5); }
```

The background color has been set to blue, and the opacity set to half. Example 2:

```
background-color: rgb(0,0,255); opacity: 0.5;
```

The background color has been set to blue, and the opacity set to half. Reference: A brief introduction to Opacity and RGBA <http://www.css3.info/introduction-opacity-rgba/>

NEW QUESTION 33

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property.

Which values are valid for the text-transform property?

- A. hidden
- B. blink
- C. capitalize
- D. line-through

Answer: C

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 35

You are developing a page that includes text and an illustration. The web page resembles the following image.



You have the following requirements:

The illustration must be in the center of the page.

The text must flow around the left, right, top, and bottom of the illustration. You need to ensure that the layout of the web page meets the requirements. Which line of code should you use?

- A. -ms-wrap-flow: both;
- B. -ms-wrap-flow: clear;
- C. -ms-wrap-flow: maximum;
- D. -ms-wrap-flow: auto;

Answer: A

Explanation:

-ms-wrap-flow

Gets or sets a value that specifies how exclusions impact inline content within block-level elements. Syntax

-ms-wrap-flow: auto | both | start | end | maximum | clear both

Inline flow content can flow on all sides of the exclusion.

Reference: -ms-wrap-flow property

[http://msdn.microsoft.com/en-us/library/ie/hh673558\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/ie/hh673558(v=vs.85).aspx) <http://dev.w3.org/csswg/css3-exclusions/>

NEW QUESTION 36

You are developing a web page that has a group of H1 and H2 elements. The page also includes a CSS class named underlineMe.

You have the following requirements:

The font color of all H1 and H2 elements must be changed to red.

The CSS class underlineMe must be applied to all H1 and H2 elements. You need to update the web page to meet the requirements.

Which code segment should you use?

- ☐ A. `$(":head").addClass('underlineMe');`
`$(":head").css({ color: 'red' });`
- ☐ B. `$("h1").css({ color: 'red' });`
`$("h1").addClass('underlineMe');`
- ☐ C. `$("h2").css({ color: 'red' });`
`$("h2").addClass('underlineMe');`
- ☐ D. `$(":header").css({ color: 'red' });`
`$(":header").addClass('underlineMe');`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

The :header selector selects all header elements (<h1> to <h6>). Reference: jQuery :header Selector http://www.w3schools.com/jquery/sel_header.asp

NEW QUESTION 41

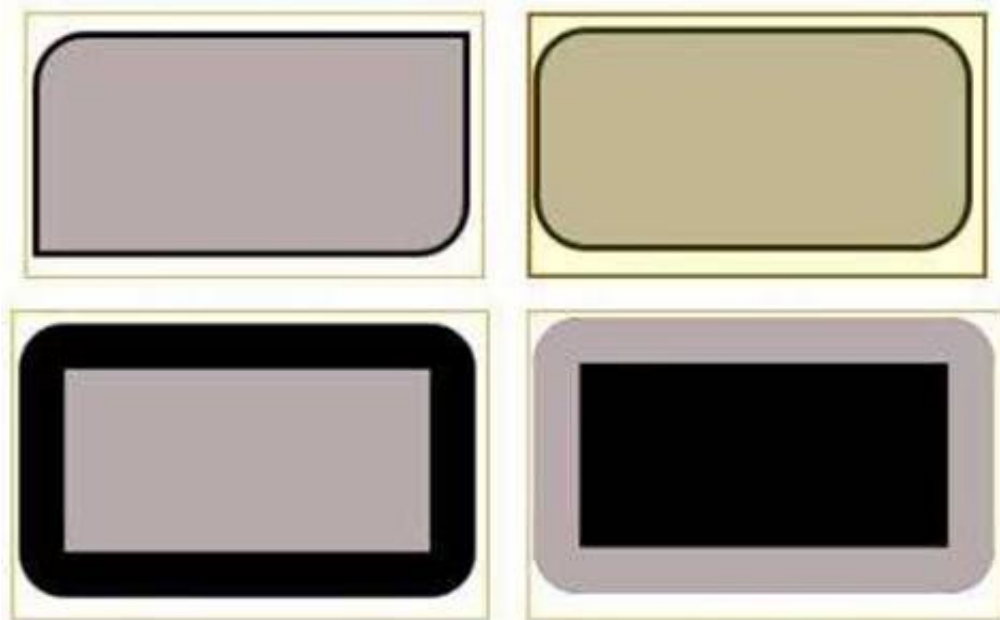
HOTSPOT

You are developing an HTML5 application for a company. You apply the following style to a DIV element on a page.

```
div
{
  border:3px solid;
  background:#b6aaaa;
  width:200px;
  height:100px;
  top: 10%;
  left:10%;
  border-radius:25px 0px 25px 0px;
}
```

You need to submit a draft illustration of the results of this code.

Which illustration should you submit? (To answer, select the appropriate illustration in the answer area.)



- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Example: `div {`
`border: 3px solid; background: #b6aaaa; width: 200px;`
`height: 100px; top 10%;`
`left 10%;`
`border-radius: 25px 0px 25px 0px;`
`}`

Result:



Reference: CSS3 border-radius Property

NEW QUESTION 43

DRAG DROP

You are developing a web page by using HTML5 and CSS3.

Hyperlinks on the page must be rendered with a style that reflects the last user action performed. You need to style the four anchor elements in the document.

In what order should you specify the four anchor selectors? (To answer, move the appropriate anchor selectors from the list of CSS codes to the answer area and arrange them in the correct order.)

A:link

A:visited

A:hover

A:active

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Reference: As it states:

* a: hover MUST come after a: link and a: visited in the CSS definition in order to be effective!

* active MUST come after a: hover in the CSS definition in order to be effective!!

Reference: Meet the Pseudo Class Selectors; CSS Pseudo-classes <http://css-tricks.com/pseudo-class-selectors/>

http://www.w3schools.com/css/css_pseudo_classes.asp

NEW QUESTION 47

You are developing a web page that will be divided into three vertical sections. The main content of the site will be placed in the center section. The two outer sections will contain advertisements.

You have the following requirements:

The main content section must be set to two times the width of the advertising sections. The layout must be specified by using the CSS3 flexible box model.

You need to ensure that the visual layout of the page meets the requirements. Which CSS3 property should you use?

- A. box-orient
- B. box-flex-group
- C. box-flex
- D. box-direction

Answer: C

Explanation:

box-flex

Values: 0 | Any integer

The flexibility ratio for this child. If a child had 1 and its sibling had 2, any additional space in the parent box would be consumed twice as much by the sibling. It defaults to 0 which is inflexible. Reference: Quick hits with the Flexible Box Model <http://www.html5rocks.com/en/tutorials/flexbox/quick/>

NEW QUESTION 52

You are developing an HTML5 page. The page includes the following code.

```
<p id="outer" style="position:relative">
  <p id="inner"></p>
</p>
```

The inner paragraph must be exactly 15 pixels from the top left corner of the outer paragraph. You set the left style for the inner paragraph to the appropriate value.

You need to set the position property of the inner paragraph. Which value should you use?

- A. absolute
- B. static
- C. fixed
- D. relative

Answer: A

Explanation:

absolute: The element is positioned relative to its first positioned (not static) ancestor element. Incorrect:

Not D:

relative: The element is positioned relative to its normal position, so "left:20" adds 20 pixels to the element's LEFT position.

Reference: CSS position Property http://www.w3schools.com/cssref/pr_class_position.asp

NEW QUESTION 54

You are developing a customer web form that includes the following HTML input field.

```
<input id="txtValue"/>
```

If a customer enters a value in the input field, then it must be a numeric value. You need to add validation to the input field.

Which HTML should you use?

- A. `<input id="txtValue" type="text" pattern="/#" />`
- B. `<input id="txtValue" type="number" />`
- C. `<input id="txtValue" type="integer" />`
- D. `<input id="txtValue" type="text" required="required"/>`

Answer: B

Explanation:

HTML5 Input Types: color

date datetime

datetime-local email

month

number range search tel

time url week

Reference: HTML Input Types http://www.w3schools.com/html/html5_form_input_types.asp

NEW QUESTION 59

You are developing a customer web form that includes the following HTML.

```
<input id="txtValue"/>
```

You need to change the HTML markup so that customers can enter only a valid three-letter country code.

Which HTML should you use?

- A. `<input id="txtValue" type="code" />`
- B. `<input id="txtValue" type="text" pattern="[A-Za-z]{3}" />`
- C. `<input id="txtValue" type="text" required="required"/>`
- D. `<input id="txtValue" type="country" />`

Answer: B

Explanation:

HTML `<input>` pattern Attribute

The pattern attribute specifies a regular expression that the `<input>` element's value is checked against.

Example

An HTML form with an input field that can contain only three letters (no numbers or special characters):

```
<form action="demo_form.asp">
```

```
Country code: <input type="text" name="country_code" pattern="[A-Za-z]{3}" title="Three letter country code">
```

```
<input type="submit">
```

```
</form>
```

Reference: HTML `<input>` pattern Attribute http://www.w3schools.com/tags/att_input_pattern.asp

NEW QUESTION 62

You are developing a web form that includes the following HTML.

```
<input id="txtValue" type="text" />
```

You need to ensure that a value is entered into txtValue before the form is submitted. Which code segment should you use?

- ☐ A.

```
function validate() {
    var name = $("#txtValue").val();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ B.

```
function validate() {
    var value = $("#txtValue").val();
    var regex = /^[0-9a-z]*$/;
    if (!regex.test(value))
        alert("please enter valid value");
    return;
}
```
- ☐ C.

```
function validate() {
    var name = $("#txtValue").get();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ D.

```
function validate() {
    var value = $("#txtValue").get();
    var regex = /^[A-Za-z]{3}/;
    if (!regex.test(value) || value == "")
        alert("please enter valid value");
    return;
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: A

Explanation:

* Input Text Object Properties include:

value: Sets or returns the value of the value attribute of the text field

* Check if text is a null value or an empty string. Incorrect:

not .get(): there is no input text object property get. Reference: HTML DOM Input Text Object

NEW QUESTION 63

DRAG DROP

You are developing a web application that retrieves data from a web service. The data being retrieved is a custom binary datatype named bint. The data can also be represented in XML.

Two existing methods named parseXml() and parseBint() are defined on the page. The application must:

Retrieve and parse data from the web service by using binary format if possible

Retrieve and parse the data from the web service by using XML when binary format is not possible You need to develop the application to meet the requirements.

What should you do? (To answer, drag the appropriate code segment to the correct location. Each code segment may be used once, more than once, or not at all.

You may need to drag the split bar

between panes or scroll to view content.)


```
if (request.getResponseHeader("Content-Type") == "application/bint")

if (type == "application/bint")

if (request.mimeType == "application/bint")

accepts: 'application/bint, text/xml',

contentType: 'application/bint, text/xml',

dataType: 'application/bint, text/xml',
```

```
var request = $.ajax({
  uri: '/',
  dataFilter: function (data, type) {
    return parseBint(data);
    else
    return parseXml(data);
  },
  success: function (data) {
    start(data);
  }
});
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

* accepts : 'application/bint, text/xml'
 accepts:'application/bin,text/xml' to accept only XML and binary content in HTML responses.
 * Use the following condition to check if the html response content is binary: If(request.getResponseHeader("Content-Type")== "application/bint")
 * var request = \$.ajax({ uri: '/',
 accepts: 'application/bint, text/xml', datafilter: function(data,type){
 if(request.getResponseHeader("Content-Type")== "application/bint")
 return parseBint(data); else
 return parseXml();
 },
 success: function (data) { start(data);
 }
 });

NEW QUESTION 66

DRAG DROP

You are developing an application that reads information from a file. The application must:

Execute a block of code if there is an error accessing the file

Execute a second block of code whether or not there is an error accessing the file You need to ensure that the error handling requirements are met.

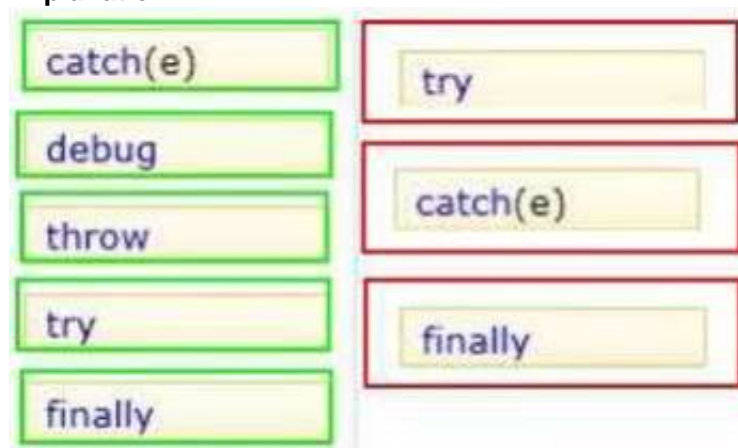
Which three statements should you implement in sequence? (To answer, move the appropriate statements from the list of actions to the answer area and arrange them in the correct order.)



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



Explanation

The fileopen statement is put within the try clause. The catch(e) will catch a fileopen error.

The finally clause will be executed regardless of whether an error occurs in the try clause proceeding it

NEW QUESTION 69

You are creating a JavaScript function to display the current version of a web application You declare a button as follows.

```
<input type="button" id="About" value="About" />
```

You need to create an event handler for the button by using an anonymous function. Which code segment should you use?

- ☐ A.

```
var button = document.getElementById("About");
button.addEventListener('click', function { alert("Version 2.1.0") } );
```
- ☐ B.

```
var button = document.getElementById("About");
button.addEventListener('click', function (alert("Version 2.1.0") ) );
```
- ☐ C.

```
var button = document.getElementById("About");
button.addEventListener('click', function () { alert("Version 2.1.0") } );
```
- ☐ D.

```
var button = document.getElementById("About");
button.addEventListener('click', alert("Version 2.1.0") );
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

Explanation:

Example

When passing parameter values, use an "anonymous function" that calls the specified function with the parameters:

```
document.addEventListener("click", function() { myFunction(p1, p2);
});
```

Reference: HTML DOM addEventListener() Method

NEW QUESTION 72

You are developing a web application that uses web workers to process images extracted from an HTML5 CANVAS object on a web page.

You need to pass messages between the web workers and the web page.

Which three types of objects should you use? (Each correct answer presents a complete solution. Choose three.)

- A. JSON
- B. Window

- C. Parent
- D. String
- E. JavaScript
- F. DOM

Answer: ADE

Explanation:

* Example:

```
var myHelloWorker = new Worker('helloworkers.js');
```

You'll then start the worker (and thus a thread under Windows) by sending it a first message: `myHelloWorker.postMessage()`;

Indeed, the Web Workers and the main page are communicating via messages. Those messages can be formed with normal strings or JSON objects.

* (E) The Web Workers API makes it possible to execute a JavaScript file asynchronously and autonomously. A web worker is essentially a thread executing a JavaScript file.

* (A, D) In the first implementations of web workers the browsers only allowed strings to be exchanged as messages. However, recent implementations allow for exchange of values or JSON objects.

Reference: HTML5 Web Workers

NEW QUESTION 74

DRAG DROP

You are developing an airline reservation website by using HTML5 and JavaScript. A page on the site allows users to enter departure and destination airport information and to search for tickets.

You have the following requirements:

Users must be able to save information in the application about their favorite destination airport.

The airport information must be displayed in the destination text box whenever the user returns to the page.

You need to develop the site to meet the requirements.

Which line or lines of code should you use? (To answer, drag the appropriate command or commands from the list of commands to the correct location or locations in the work area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* `retrieve localStorage.destination`

* `store localStorage.destination`

NEW QUESTION 76

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. `<nav>`
- B. `<article>`
- C. ``
- D. `<div>`

Answer: B

Explanation:

The `<article>` tag specifies independent, self-contained content.

An article should make sense on its own and it should be possible to distribute it independently from the rest of the site.

Potential sources for the `<article>` element: Forum post

Blog post News story Comment

Reference: HTML `<article>` Tag http://www.w3schools.com/tags/tag_article.asp http://www.w3schools.com/html/html5_new_elements.asp

NEW QUESTION 81

You are developing an HTML5 web application for a surveyor company that displays topographic images.

The application must:

Display the topographic images at different zoom levels without loss of detail Print the topographic images without loss of detail

Work from only one source file for each topographic image

You need to ensure that the topographic images display according to the requirements. Which HTML5 element should you use?

- A. SVG
- B. CANVAS
- C. SAMP
- D. AREA

Answer: A

Explanation:

* SVG stands for Scalable Vector Graphics SVG is used to define graphics for the Web SVG is a W3C recommendation

* The HTML `<svg>` element (introduced in HTML5) is a container for SVG graphics. SVG has several methods for drawing paths, boxes, circles, text, and graphic images. Reference: HTML5 SVG

NEW QUESTION 82

You are developing an HTML5 page.

You need to add author and copyright information. Which tag should you use?

- A. <aside>
- B. <header>
- C. <footer>
- D. <section>

Answer: C

Explanation:

The footer element represents a footer for its nearest ancestor sectioning content or sectioning root element. A footer typically contains information about its section such as who wrote it, links to related documents, copyright data, and the like.

Reference: The footer element

<http://dev.w3.org/html5/spec-preview/the-footer-element.html>

NEW QUESTION 86

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property. Which value is valid for the text-transform property?

- A. Lowercase
- B. Blink
- C. Line-through
- D. 20px

Answer: A

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Reference: CSS text-transform Property

NEW QUESTION 91

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <article>
- B. <table>
- C. <div>
- D.

Answer: A

Explanation:

The <article> tag specifies independent, self-contained content.

An article should make sense on its own and it should be possible to distribute it independently from the rest of the site.

Potential sources for the <article> element: Forum post

Blog post News story Comment

NEW QUESTION 95

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <section>
- B. <tbody>
- C. <div>
- D. <table>

Answer: A

Explanation:

The <section> tag defines sections in a document. Such as chapters, headers, footers, or any other sections of the document.

NEW QUESTION 99

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property.

Which value is valid for the text-transform property?

- A. Italic
- B. Line-through
- C. Capitalize
- D. 20px

Answer: C

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 100

You are developing an HTML5 web application and are styling text. You need to use the text- transform CSS property. Which value is valid for the text-transform property?

- A. red
- B. hidden
- C. lowercase
- D. italic

Answer: C

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 103

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property. Which value is valid for the text-transform property?

- A. lowercase
- B. 20px
- C. line-through
- D. italic

Answer: A

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 107

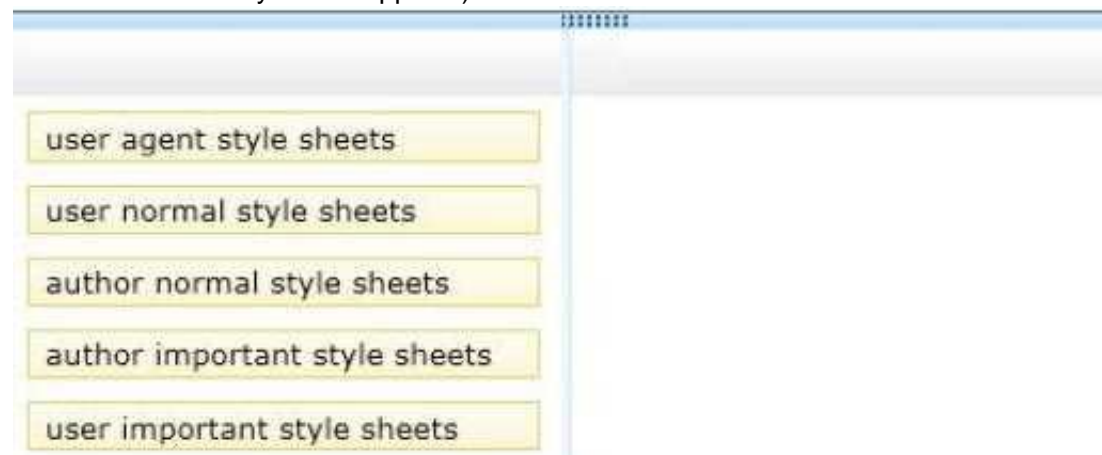
DRAG DROP

You are creating an application by using HTML5 and CSS3. The styles for the pages are derived from five style sheets.

The styles are not being applied correctly to the pages in the application.

You need to determine the order in which the style sheets will be applied by the browser.

In which order will the five style sheets be applied? (To answer, move the style sheet types from the list of style sheet types to the answer area and arrange them in the order that they will be applied.)



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: user agent style sheets Box 2: user normal style sheets

Box 3 author normal style sheets: Box 4: author important style sheets Box 5: user important style sheets Note:

The order of declarations from least important to most important:

user agent declarations user normal declarations author normal declarations

author important declarations user important declarations

NEW QUESTION 111

You develop an HTML5 webpage. You have the following HTML markup: (Line numbers are for reference only.)

```

01 <table>
02   <tr>
03     <th>Fruit</th>
04     <th>Quantity</th>
05     <th>Price</th>
06   </tr>
07   <tr>
08     <td>Apples</td>
09     <td>48</td>
10     <td>$0.29</td>
11   </tr>
12   <tr>
13     <td>Bananas</td>
14     <td>72</td>
15     <td>$0.19</td>
16   </tr>
17   <tr>
18     <td>Watermelon</td>
19     <td>14</td>
20     <td>$3.99</td>
21   </tr>
22 </table>

```

The webpage also contains the following CSS markup:

```

table { border: 1px solid black; font-family: Arial; }
tr:nth-child(odd) { background-color: red; }
tr td:nth-of-type(even) {background-color: blue; }

```

You need to determine how the webpage will appear when the CSS styles are applied. Select two.

- A. The first row of the table will have a red background.
- B. The second row of the table will have a red background.
- C. The second cell in the first row of the table will have a blue background.
- D. The second cell in the third row of the table will have a blue background.
- E. The second cell in the third row of the table will have not have blue background.

Answer: AE

Explanation:

Fruit	Quantity	Price
Apples	48	\$0.29
Bananas	72	\$0.19
Watermelon	14	\$3.99

NEW QUESTION 115

You develop a webpage.

The webpage must display a grid that contains one row and five columns. Columns one, three, and five are the same width. Columns two and four are the same width, but much wider than columns one, three, and five. The grid resembles the following image:

--	--	--	--	--

The grid must meet the following requirements:

Each row must be tall enough to ensure that images are not cut off. Each row must contain five columns.

The width of the columns must not change when the screen is resized or rotated. You need to define the style for the grid. Which CSS3 style should you use?

- ☐ A.

```
<style type="text/css">
#grid {
display: -ms-grid;
-ms-grid-columns: 2fr (3fr 2fr) [2];
-ms-grid-rows: auto;
}
</style>
```
- ☐ B.

```
<style type="text/css">
#grid {
display: -ms-grid;
-ms-grid-columns: 100px (250px 100px) [2];
-ms-grid-rows: min-content;
}
</style>
```
- ☐ C.

```
<style type="text/css">
#grid {
display: -ms-grid;
-ms-grid-columns: 100px 250px 100px 250px 100px;
-ms-grid-rows: auto;
}
</style>
```
- ☐ D.

```
<style type="text/css">
#grid {
display: -ms-grid;
-ms-grid-columns: 100px 250px 100px 250px 100px;
-ms-grid-rows: min-content;
}
</style>
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: C

Explanation:

* -ms-grid-rows property auto

The height of a row is computed based on the tallest child element in that column. Incorrect:

Not A: The width of the columns must not change when the screen is resized or rotated.

Not B, Not D: -ms-grid-rows property min-content

The minimum height of any child elements is used as the height of the row.

Note:

* width

The width of each column specified as one of the following values:

A length consisting of an integer number, followed by an absolute units designator ("cm", "mm", "in", "pt", or "pc") or a relative units designator ("em", "ex", or "px").

A percentage of the object width.

A proportion of the remaining horizontal space (that is, the object width, less the combined widths of other tracks), consisting of an integer number followed by a fractional designator ("fr"). For example, if "200px 1fr 2fr" is specified, the first column is allocated 200 pixels, and the second and third columns are allocated 1/3 and 2/3 of the remaining width, respectively.

NEW QUESTION 120

You are implementing an application by using HTML5 and JavaScript. A web page contains the following HTML table.

```
<table id="dataTable">
  <tbody>
    <tr><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
    <tr><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
    <tr><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
  </tbody>
  <tfoot>
    <tr class="selected"><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
    <tr class="selected"><td>...</td></tr>
  </tfoot>
</table>
```

The application must:

Identify all rows in the table body that have a class attribute of selected Exclude the last selected row in the table

You need to implement the web page according to the requirements. Which CSS selector should you use?

- A. tr:not(tr:last-child).selected < #dataTable
- B. #dataTable > tr.selected:not(tr:last-child)
- C. #dataTable tbody tr.selected:not(tr:last-child)
- D. #dataTable tr.selected:not(tr:last-child)

Answer: C

Explanation:

* [attribute] [target]

Selects all elements with a target attribute

* :not(selector) not(p)

Selects every element that is not a <p> element Reference: CSS Selector Reference

NEW QUESTION 125

You are developing a customer web form that includes following HTML.

```
<input id= "textAccountType"/>
```

You need to develop the form so that customers can enter only a valid account type consisting of two English alphabet characters.

Which code segment should you use?

- ☐ A.

```
function validate() {
    var value = $("#txtAccountType").text();
    if (value == null || value == "")
        alert("please enter valid account type");
    return;
}
```
- ☐ B.

```
function validate() {
    var value = $("#txtAccountType").val();
    var regex = /^[A-Za-z]{2}$/;
    if (!regex.test(value) || value == "")
        alert("please enter valid account type");
    return;
}
```
- ☐ C.

```
function validate() {
    var value = $("#txtAccountType").val();
    if (value == null || value == "")
        alert("please enter valid account type");
    return;
}
```
- ☐ D.

```
function validate() {
    var value = $("#txtAccountType").text();
    var regex = /^[A-Za-z]{2}$/;
    if (!regex.test(value) || value == "")
        alert("please enter valid account type");
    return;
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: B

Explanation:

HTML <input> pattern Attribute

The pattern attribute specifies a regular expression that the <input> element's value is checked against.

Example

An HTML form with an input field that can contain only two letters (no numbers or special characters):

```
<form action="demo_form.asp">
```

```
Country code: <input type="text" name="country_code" pattern="[A-Za-z]{2}" title="Three letter country code">
```

```
<input type="submit">
```

```
</form>
```

Reference: HTML <input> pattern Attribute http://www.w3schools.com/tags/att_input_pattern.asp

NEW QUESTION 126

DRAG DROP

You develop an HTML5 webpage. You have the following HTML markup:

```
<ul id="languages">
    <li>HTML</li>
    <li>JavaScript</li>
    <li>Classic ASP</li>
    <li>ASP.Net</li>
</ul>
```

You also have the following JavaScript variable defined: var languages = [];

You need to add statements to an existing JavaScript function to sort the list items.

Which four actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

	Answer Area
<code>languages = \$.makeArray(items);</code>	
<code>languages.sort (function (s) { return s.innerHTML; });</code>	
<code>for (var i = 0, l = items.length; i < l; i+ +) items[i].innerHTML = languages[i];</code>	
<code>for (var i = 0, l = items.length; i < l; i+ +) languages.push(items[i].innerHTML);</code>	
<code>var items = document.getElementsByTagName ("li");</code>	
<code>items = \$.makeArray(languages);</code>	
<code>languages.sort();</code>	
<code>\$(languages).appendTo("#languages");</code>	

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1:

```
var items = document.getElementsByTagName
("li");
```

Box 2:

```
for (var i = 0, l = items.length; i < l; i+
+)  
languages.push(items[i].innerHTML);
```

Box 3:

```
languages.sort();
```

Box 4:

```
for (var i = 0, l = items.length; i < l; i+
+)  
items[i].innerHTML = languages[i];
```

Note:

* `getElementsByTagName`

The `getElementsByTagName()` method accesses all elements with the specified tagname.

* Example:

```
// Get the list items and setup an array for sorting var lis = ul.getElementsByTagName("LI");  
var vals = [];  
// Populate the array  
for(var i = 0, l = lis.length; i < l; i++) vals.push(lis[i].innerHTML);  
// Sort it vals.sort();  
// Sometimes you gotta DESC if(sortDescending) vals.reverse();  
// Change the list on the page for(var i = 0, l = lis.length; i < l; i++) lis[i].innerHTML = vals[i];  
}
```

NEW QUESTION 130

DRAG DROP

You create an HTML5 webpage. You have the following HTML markup:

```
<table id="fruitTable">
  <tr>
    <th>Fruit</th>
    <th>Inventory</th>
  </tr>
</table>
```

You also have the following JavaScript code segment:

```
var jsonFruit = { "apples" : "12", "bananas" : "8", "watermelon" : "3" }
```

You need to add additional rows to the fruitTable element by processing the jsonFruit values in the order listed.

Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Answer Area	
<pre>\$("#<tr><td>" + key + "</td><td>" + val + "</td></tr>") .appendTo('#fruitTable');</pre>	
<pre>\$("#fruitTable tr:last").after(data);</pre>	
<pre>jsonFruit.push(key, val);</pre>	
<pre>\$("#fruitTable").after("<tr><td>" + key + "</td><td>" + val + "</td></tr>");</pre>	
<pre>var data = \$.parseJSON(jsonFruit);</pre>	
<pre>\$.each(jsonFruit, function (key, val) {</pre>	
<pre>data.push(key, val);</pre>	
<pre>});</pre>	
<pre>\$.getJSON(jsonFruit, function (data) {</pre>	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:

```
$.each(jsonFruit, function (key, val) {
```

Box 2:

```
$("#<tr><td>" + key + "</td><td>" + val + "</td></tr>")
  .appendTo('#fruitTable');
```

Box 3:

```
});
```

* The appendTo() method inserts HTML elements at the end of the selected elements.

* example to loop over a JavaScript array object. var json = [

```
{ "id": "1", "tagName": "apple",
  "id": "2", "tagName": "orange",
  "id": "3", "tagName": "banana",
  "id": "4", "tagName": "watermelon",
  "id": "5", "tagName": "pineapple"
};
```

```
$.each(json, function(idx, obj) { alert(obj.tagName);
});
```

Reference: jQuery appendTo() Method;jQuery Loop Over JSON String – \$.Each Example

NEW QUESTION 132

DRAG DROP

You have the following code:

```
01 $(document).ready(function () {
02     $('#submit').click(function () {
03         $.getJSON({
04             url: "url/GetImage",
05             success: function (result) {
06                 var personImage = new PersonImage(result);
07                 $("#happy").html(personImage.img);
08             }
09         });
10     });
11 });
12 function PersonImage(image) {
13
14 }
```

The web service returns a JSON object that contains two properties named Description and FileName.

The PersonImage object must meet the following requirements: Create an object that represents an image that will be displayed.

Set the image properties from the values that are returned by the web service. Expose the image as a property of the PersonImage object.

You need to insert code at line 13 to complete the implementation of the PersonImage object.

Which three actions should you perform in sequence to complete the implementation? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

	Answer Area
	
	
	
	
	
	
	
	

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: var img = document.createElement('img'); Box 2: img.alt = image.Description;

img src = image.FileName; Box 3: return this.img; Note:

* Image Object

The Image object represents an embedded image.

For each tag in an HTML document, an Image object is created.

Notice that images are not technically inserted into an HTML page, images are linked to HTML pages. The tag creates a holding space for the referenced image.

* Image Object Properties include

alt, Sets or returns the value of the alt attribute of an image src, Sets or returns the value of the src attribute of an image

NEW QUESTION 134

HOTSPOT

You develop an HTML5 application that allows images to be dragged and dropped within a webpage. The webpage contains a DIV element and four IMG elements as defined in the code segment below:


```
<div ondrop="myApp.drop(this, event)" ondragenter="return false" ondragover="return false">
  <p>Fruit</p>
</div>
<p>
  
  
  
  
</p>
```

You need to enable drag and drop for the application.

How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
var myApp = {};
(function () {
  this.drag = function (target, e) {
    [ ]
  };

  this.drop = function (target, e) {
    [ ]
    target.appendChild(document.getElementById(id));
    e.preventDefault();
  }
}).apply(myApp);

var myApp = {};
(function () {
  this.drag = function (target, e) {
    [ ]
    e.dataTransfer.getData('text');
    e.dataTransfer.dropEffect = 'copy';
    e.dataTransfer.effectAllowed = 'all';
    e.dataTransfer.setData('text', target.id);
  };

  this.drop = function (target, e) {
    [ ]
    e.dataTransfer.clearData();
    e.dataTransfer.types.contains('img');
    var id = e.dataTransfer.getData('text');
    var id = e.dataTransfer.setData('text', target.id);

    target.appendChild(document.getElementById(id));
    e.preventDefault();
  }
}).apply(myApp);
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* setData method (dataTransfer)

Specifies the data and its format for the current drag-and-drop operation.

* getData method (dataTransfer)

Retrieves the specified formatted data from the current drag-and-drop operation.

NEW QUESTION 138

DRAG DROP

You are creating a function named getText().

The function must retrieve information from text files that are stored on a web server. You need to develop the function to meet the requirement.

Which code segment or segments should you use? (To answer, drag the appropriate command from the list of commands to the correct location or locations in the work area)

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

* onreadystatechange

When a request to a server is sent, we want to perform some actions based on the response. The onreadystatechange event is triggered every time the readyState changes.

The readyState property holds the status of the XMLHttpRequest.

Example xmlhttp.onreadystatechange=function()

```
{
if (xmlhttp.readyState==4 && xmlhttp.status==200)
{
document.getElementById("myDiv").innerHTML=xmlhttp.responseText;
}
}
```

* Send a Request To a Server

To send a request to a server, we use the open() and send() methods of the XMLHttpRequest object: xmlhttp.open("GET","xmlhttp_info.txt",true); xmlhttp.send();

Reference: AJAX - The onreadystatechange Event; The XMLHttpRequest Object

NEW QUESTION 139

DRAG DROP

You are developing an application for a retail store. The application will be used on mobile devices to provide real-time directions to the store.

You have the following requirements:

The application must find out a user's location.

As the user moves, the application must update the screen with the new location. As the user moves, the application must display the user's speed.

You need to develop the application to meet the requirements.

Which code segment or segments should you use? (To answer, drag the appropriate code segment or segments to the correct location in the work area)

A. Mastered

B. Not Mastered

Answer: A

Explanation:

* geolocation.watchPosition

watchPosition() - Returns the current position of the user and continues to return updated position as the user moves (like the GPS in a car).

* position data include:

/ coords.speed

The speed in meters per second

/ coords.accuracy (incorrect answer) The accuracy of position

Etc.

* The getCurrentPosition() (incorrect)

The getCurrentPosition() method returns an object if it is successful. The latitude, longitude and accuracy properties are always returned. The other properties below are returned if available. Reference: HTML5 Geolocation

NEW QUESTION 142

DRAG DROP

You develop an HTML application that calls a Simple Object Access Protocol (SOAP) web service to retrieve data.

You need to load data from the web service.

What should you do? (To answer, drag the appropriate code segment or code segments to the correct location or locations in the answer area)

A. Mastered

B. Not Mastered

Answer: A

Explanation:

* contentType

contentType is the type of data you're sending.

We have to send the content-type of application/soap+xml as this is the only type that the web service allow.

* type

We post a SOAP request.

* dataType:

dataType is what you're expecting back from the server: json, html, text, xml, etc. jQuery will use this to figure out how to populate the success function's parameter.

NEW QUESTION 143

HOTSPOT

You are creating a custom style by using CSS3.

You have the following requirements to complete the style:

If the text in a line must wrap to another line, the last word must be able to break across lines. All text must be black and have a blue shadow, such that the text appears to glow blue.

The text must look like the following:

Hello

You need to complete the CSS3 style.

How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
<style>

p {

}

</style>
<style>

p {

}

</style>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* text-shadow

* hyphens: auto

Words can be broken at appropriate hyphenation points either as determined by hyphenation characters) inside the word or as determined automatically by a language-appropriate hyphenation resource (if supported by the browser or provided via @hyphenation-resource).

Conditional hyphenation characters inside a word, if present, take priority over automatic resources when determining hyphenation points within the word.

Reference: CSS3 text-shadow Property; hyphens | CSS-Tricks

NEW QUESTION 147

HOTSPOT

You review a web form that contains the following markup and code:


```
<!DOCTYPE html>
<html>
  <head>
    <script type="text/javascript">
      function check1(currentTextBox) {
        if (currentTextBox.value === null || currentTextBox.value === '')
          currentTextBox.style.background = '#ffffac';
        else
          currentTextBox.style.background = '#ffffff';
      }
      function check2() {
        var obj = document.getElementsByTagName('input');
        for (var i = 0; i < (obj.length - 1); i++) {
          obj[i].style.background = '#ffffac';
        }
      }
    </script>
  </head>
  <body>
    <input type="text" id="text1" onfocus="check1(this)" onblur="check1(this)">
    <input type="text" id="text2" onfocus="check1(this)" onblur="check1(this)">
    <input type="button" value="next" onclick="check2()">
  </body>
</html>
```

You need to ascertain how the webpage responds when it loads and how it reacts to user actions.

For each statement in the table, select Yes if the code segment above causes the page to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of behavior
<input type="radio"/>	<input type="radio"/>	Both text boxes are displayed with a yellow background when the page loads.
<input type="radio"/>	<input type="radio"/>	The background color of both text boxes changes to yellow each time the text boxes receive the focus.
<input type="radio"/>	<input type="radio"/>	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of behavior
<input type="radio"/>	<input checked="" type="radio"/>	Both text boxes are displayed with a yellow background when the page loads.
<input type="radio"/>	<input checked="" type="radio"/>	The background color of both text boxes changes to yellow each time the text boxes receive the focus.
<input checked="" type="radio"/>	<input type="radio"/>	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.

NEW QUESTION 149

HOTSPOT

You test a webpage that contains the following JavaScript code:


```
<script type="text/javascript">
  onerror = unhandled;
  function unhandled(msg, url, line) {
    alert('There has been an unhandled exception.');
```

The webpage also contains the following markup:

```
Integer 1: <input type="text" id="int1" /><br />
Integer 2: <input type="text" id="int2" /><br /><br />
<input type="button" name="add" value="Add" onclick="add();" />
<input type="button" name="divide" value="Divide" onclick="divide();" />
```

You need to ascertain how the webpage responds when the user enters characters and then clicks the add and divide buttons. For each statement in the table, select Yes if the action causes the webpage to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 3 in the int2 textbox, and then clicks the add button, the webpage displays an alert message with a value of 5.
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 0 in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the letter a in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of Behavior
<input type="radio"/>	<input checked="" type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 3 in the int2 textbox, and then clicks the add button, the webpage displays an alert message with a value of 5.
<input type="radio"/>	<input checked="" type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 0 in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.
<input checked="" type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the letter a in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.

NEW QUESTION 154

You develop an HTML5 web application. The web application contains a form that allows users to enter only their month of birth. The value that the users enter must be numbers between 1 and 12, inclusive. You need to implement the form element for the month of birth. Which element should you use?

- A. <input type="time" options="month" />
B. <input types="submit" value="month" />
C. <input type="range" min="1" max="12" />
D. <input type="month" itemscope="numeric" />

Answer: C

Explanation:

Example:

</head>

<body>

<input type="range" name="rangeInput" min="0" max="100" onchange="updateTextInput(this.value);">

<input type="text" id="textInput" value="">

</body>

</html>

NEW QUESTION 157

You are developing a web application that can function when users are not connected to the Internet.

You need to check the Internet connectivity status of a user's browser. Which method should you use?

☐ A.

```
function checkConnection()
{
    if (navigator.isOnline) {
        ...
    }
}
```

☐ B.

```
function checkConnection()
{
    if (browser.isOnline) {
        ...
    }
    else
    {
        ...
    }
}
```

☐ C.

```
function checkConnection()
{
    if (browser.online) {
        ...
    }
    else
    {
        ...
    }
}
```

☐ D.

```
function checkConnection()
{
    if (navigator.online) {
        ...
    }
    else
    {
        ...
    }
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation:

Navigator onLine Property

The onLine property returns a Boolean value that specifies whether the browser is in online or offline mode. Example

Find out whether the browser is online:

var x = "Is the browser online? " + navigator.onLine; The result of x will be:

Is the browser online? true Reference: Navigator onLine Property

NEW QUESTION 162

HOTSPOT

You troubleshoot a webpage that includes the following code segment:

```
var customer = function () {  
    var name = "Contoso";  
    return {  
        getName: function () {  
            return name;  
        },  
        setName: function (newName) {  
            name = newName;  
        }  
    };  
}();  
alert(customer.name);
```

You need to evaluate the value of the variable named customer.name.

For each statement in the table, select Yes if the code segment above causes the variable to evaluate as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of customer.name variable
<input type="radio"/>	<input type="radio"/>	An error will be thrown
<input type="radio"/>	<input type="radio"/>	Contoso
<input type="radio"/>	<input type="radio"/>	undefined
<input type="radio"/>	<input type="radio"/>	null
<input type="radio"/>	<input type="radio"/>	false

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The variable customer is undefined, as it outside the scope of the function, at line alert(customer.name);

NEW QUESTION 165

HOTSPOT

You develop a webpage.

The layout of the webpage must resemble the following image:



You need to ensure that the page renders properly.

How should you complete the relevant CSS styles? (To answer, select the appropriate option from each drop-down list in the answer area.)


```
<!DOCTYPE html>
<head>
<style>

#span1 {  ; color: red;}

#span2 {  ; top: 200px;

left: -100px; height: 130px; width: 130px;
color: green;}
</style>
</head>
<body>
<p>Start of main contents.
  <span id=span1> Start of span1 contents.
  <span id=span2> Span2 contents.</span>
  End of span1 contents.</span>
  End of main contents.
</p>
</body>
</html>
```

```
<!DOCTYPE html>
<head>
<style>

#span1 {  ; color: red;}
      z-index: 1
      float: left
      position: relative
      position: absolute

#span2 {  ; top: 200px;
      z-index: 2
      float: right
      position: relative
      position: absolute

left: -100px; height: 130px; width: 130px;
color: green;}
</style>
</head>
<body>
<p>Start of main contents.
  <span id=span1> Start of span1 contents.
  <span id=span2> Span2 contents.</span>
  End of span1 contents.</span>
  End of main contents.
</p>
</body>
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* position: relative

The element is positioned relative to its normal position, so "left:20" adds 20 pixels to the element's LEFT position

* position: absolute

The element is positioned relative to its first positioned (not static) ancestor element Reference: CSS position Property

NEW QUESTION 170

You are developing an application that analyzes population data for major cities in the United States. The application retrieves population statistics for a city by using a web service.

You need to request data from the web service by using jQuery. Which code segment should you use?

- ☐ A.

```
$.ajax({
    url: "Services/WSAjax.aspx/GetPopulationCity?city='Boston'",
    dataType: "text", type: "POST"
});
```
- ☐ B.

```
$.ajax({
    url: "Services/WSAjax.aspx/GetPopulationCity",
    dataType: "text", type: "SEND", data: { city: "Boston" }
});
```
- ☐ C.

```
$.ajax({
    url: "Services/WSAjax.aspx/GetPopulationCity?city='Boston'",
    dataType: "text", type: "SEND"
});
```
- ☐ D.

```
$.ajax({
    url: "Services/WSAjax.aspx/GetPopulationCity",
    dataType: "text", type: "POST", data: { city: "Boston" }
});
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

* type:

We post a SOAP request.

* data:

Data to be sent to the server.

The data option can contain either a query string of the form key1=value1&key2=value2, or an object of the form {key1: 'value1', key2: 'value2'}.

Reference: [jQuery.ajax\(\)](#)

NEW QUESTION 171

You are developing a blog web page that is being optimized for accessibility. The page includes the following HTML.

```
<body>

    <h1>Blog Post Title</h1>
    <h2>Subtitle</h2>
    <h3>Authors Byline</h3>

</body>
```

The heading tags represent a blog post title, a blog post subtitle, and the author's name.

You need to ensure that the three headings are treated as a unit but retain their individual formatting.

Which tags should you use to wrap the H1, H2, and H3 elements?

- A. <group></group>
 B. <header></header>
 C. <hgroup></hgroup>
 D. <headings></headings>

Answer: C

Explanation:

The <hgroup> tag is used to group heading elements.

The <hgroup> element is used to group a set of <h1> to <h6> elements, when a heading has multiple levels (subheadings).

Reference: [HTML <hgroup> Tag](#)

NEW QUESTION 175

You develop a web application by using jQuery. You develop the following jQuery code: (Line numbers are included for reference only.)

```

01 <script>
02   $(document).ready(function () {
03     $('#submit').click(function () {
04       $.ajax({
05
06         data: $('#myForm').serialize(),
07         success: function (result) {
08           $('#result').text(result.message);
09         }
10       });
11     });
12   });
13 </script>

```

The web application exposes a RESTful web API that has an endpoint of /product/create.

You need to create a new product by using AJAX. Which code segment should you insert at line 05?

- ☐ A. `type: "POST",`
`dataType: "xml",`
`contentType: "application/x-www-form-urlencoded; charset=UTF-8",`
`url: "/product/create",`
- ☐ B. `type: "GET",`
`dataType: "xml",`
`contentType: "application/x-www-form-urlencoded; charset=UTF-8",`
`url: "/product/create",`
- ☐ C. `type: "POST",`
`dataType: "json",`
`contentType: "application/json",`
`url: "/product/create/post",`
- ☐ D. `type: "POST",`
`dataType: "json",`
`url: "/product/create",`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

* url: /product/create This is the endproduct.

* datatype:

The type of data that you're expecting back from the server.

* contentType (default: 'application/x-www-form-urlencoded; charset=UTF-8') Reference: jQuery.ajax()

NEW QUESTION 177

DRAG DROP

You are developing a shared library to format information. The library contains a method named _private.

The _private method must never be called directly from outside of the shared library. You need to implement an API for the shared library.

How should you complete the relevant code? (Develop the solution by selecting the required code segments and arranging them in the correct order. You may not need all of the code segments.)

Answer Area

```
Formatter.prototype.parseValue =
function (input) {
  return _private(input);
}
```

```
prototype.parseValue = _private(input);
```

```
this._private = function (data) {
  return custom(data);
}
```

```
}
```

```
return {
  parseValue: function (input)
{ return _private(); }
};
```

```
function getFormatter() {
```

```
var _private = function (data) {
  return custom(data);
};
```

```
this.parseValue = function (input) {
  return _private(input);
};
```

```
$('#parseValue') = function (input) {
  return _private(input);
};
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1:

```
function getFormatter() {
```

Box 2:

```
Formatter.prototype.parseValue =
function (input) {
  return _private(input);
}
```

Box 3:

```
this._private = function (data) {
  return custom(data);
}
```

Box 4:

```
}
```

Note:

```
$('#parseValue') = function (input) {
  return _private(input);
};
```

* Here there is a basic example:

// our constructor

```
function Person(name, age){ this.name = name; this.age = age;
```

```
};
```

// prototype assignment Person.prototype = (function)({

// we have a scope for private stuff

// created once and not for every instance function toString(){

return this.name + " is " + this.age;


```
};
// create the prototype and return them return {
// never forget the constructor ... constructor:Person,
// "magic" toString method toString:function(){
// call private toString method return toString.call(this);
}
};
})();
* Example:
You can simulate private methods like this: function Restaurant() {
}
Restaurant.prototype = (function() { var private_stuff = function() {
// Private code here
};
return { constructor:Restaurant, use_restroom:function() {
private_stuff();
}
};
})();
var r = new Restaurant();
// This will work: r.use_restroom();
// This will cause an error: r.private_stuff();
```

NEW QUESTION 182

DRAG DROP

You create a webpage that includes the following HTML markup: (Line numbers are included for reference only.)

```
01  <!DOCTYPE html>
02  <html>
03    <head>
04      <script src="jquery.js"></script>
05    </head>
06    <body>
07      <p>Type OK to validate form.</p>
08      <form action="javascript:alert('success!');">
09        <div>
10          <input type="text" />
11          <input type="submit" />
12        </div>
13      </form>
14      <script>
15
16      </script>
17    </body>
18  </html>
```

You need to ensure that a form cannot be submitted unless the INPUT element contains the word OK.

Which five actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

	Answer Area
<code>);</code>	
<code>\$("#form").submit(function () {</code>	
<code>return false;</code> <code>}</code>	
<code>return true;</code> <code>}</code>	
<code>if (\$("#input:first_child").val() == "OK") {</code>	
<code>if (\$("#input:first").val() == "OK") {</code>	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

	Answer Area
);	\$("form").submit(function () {
\$("form").submit(function () {	
return false;	if (\$("input:first").val() == "OK") {
}	
return true;	return true;
}	}
if (\$("input:first_child").val() == "OK") {	return false;
	}
if (\$("input:first").val() == "OK") {	
);

NEW QUESTION 186

DRAG DROP

You are implementing a web worker by using JavaScript and HTML5. The web worker processes a long-running loop and returns the result to a webpage. The web worker is defined on the webpage as follows:

```
var myWorker = new Worker('task.js');
myWorker.postMessage({
  message: 'go',
  iterations: 1000000000
});
```

You have the following requirements:

Evaluate the message value in the web worker.

Process the loop based on the iterations value that is passed from the webpage. Return a value back to the webpage from the web worker.

You need to implement the web worker.

How should you complete the relevant code? (To answer, drag the appropriate code segment to the correct location or locations in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Note:

* The event object for a message event supports the following additional properties: the data property contains the message, the origin property retrieves the scheme, hostname and port of the document that invoked the postMessage method, the source property refers to the window object that contains the document that invoked the postMessage method, the lastEventId property returns the identifier of the last message.

NEW QUESTION 187

You develop an HTML5 webpage that contains the following HTML markup:

```
<label for="loanTypes">Loan Types</label>
<select name="loanTypes" id="loanTypes" multiple="multiple">
  <option>Secured</option>
  <option selected="selected">Unsecured</option>
  <option>Demand</option>
  <option selected="selected">Subsidized</option>
</select>
```

You have the following requirements:

Retrieve the content for any OPTION elements when the value of the selected attribute equals selected.

Add the content to a comma separated string. You need to retrieve the required data.

Which two code segments should you add to the webpage? (Each correct answer presents a complete solution. Choose two.)

- ☐ A. `$("#select option:checked").each(function () {
 selectedValues += $(loanTypes).text() + ',';
});`
- ☐ B. `$("#select option:selected").each(function () {
 selectedValues += $(loanTypes).text() + ',';
});`
- ☐ C. `$("#select option:selected").each(function () {
 selectedValues += $(this).text() + ',';
});`
- ☐ D. `$("#loanTypes option:selected").each(function () {
 selectedValues += $(this).text() + ',';
});`
- ☐ E. `$("#loanTypes option:checked").each(function () {
 selectedValues += $(loanTypes).text() + ',';
});`

- A. Option A
 B. Option B
 C. Option C
 D. Option D
 E. Option E

Answer: BD

Explanation:

Note:

* select option:selected

:selected Selector

Description: Selects all elements that are selected.

NEW QUESTION 188

DRAG DROP

You are creating a function by using JavaScript. You have the following requirements:

The function must display loan amounts to the user within the following HTML element:

`<div id="display"></div>`

The loan amount of 2100 must display in the HTML element.

All declared variables and functions must be scoped to the myApp variable. You need to implement the function.

How should you complete the relevant code? (To answer, drag the appropriate code segments to the correct location or locations in the answer area. Use only code segments that apply.)

this.loanAmount += 1000;

this.loanAmount = 100;

loanAmount = 100;

loanAmount += 1000;

myApp.loanAmount

loanAmount

Answer Area

```

var myApp = {};
(function () {

    this.display = function (value) {
        document.getElementById('display').innerHTML += value;
    };
    this.increaseLoanAmount = function () {

        return;
    };
    this.increaseLoanAmountAgain = function () {

        return;
    };
}).apply(myApp);
myApp.increaseLoanAmount();
myApp.increaseLoanAmountAgain();

myApp.display(

```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

```

var myApp = {};
(function () {

    this.loanAmount = 100;

    this.display = function (value) {
        document.getElementById('display').innerHTML += value;
    };
    this.increaseLoanAmount = function () {

        this.loanAmount += 1000;

        return;
    };
    this.increaseLoanAmountAgain = function () {

        this.loanAmount += 1000;

        return;
    };
}).apply(myApp);
myApp.increaseLoanAmount();
myApp.increaseLoanAmountAgain();

myApp.display(myApp.loanAmount);

```

NEW QUESTION 193

You are developing an HTML5 web application that displays stock information. The application loads information from a web service by using AJAX. The following code defines a Stock object and loads stock data.


```
function Stock(symbol) {
    this.symbol = symbol;
    this.low = 0;
    this.high = 0;
}

Stock.prototype.parseStock = function (data) {
    this.low = data.low;
    this.high = data.high;
}

Stock.prototype.loadStock = function () {
```

You need to implement the loadStock function. Which code segment should you use?

- ☐ A.

```
var stock = this;
$.get('data.xml', function (data) {
    stock.parseStock(data);
});
```
- ☐ B.

```
$.get('data.xml', function (data, innerScope) {
    innerScope.parseStock(data);
});
```
- ☐ C.

```
$.get('data.xml', function (data) {
    this.parseStock(data);
});
```
- ☐ D.

```
$.get('data.xml', function (data) {
    (function (scope) {
        scope.parseStock(data);
    })(data);
});
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: A

NEW QUESTION 196

DRAG DROP

You create an HTML5 application that includes JavaScript. The application performs several AJAX requests. One AJAX request retrieves order information from a web service and then sends the information back to a webpage within the application.

You must create a custom event. You have the following requirements:

The webpage must contain an HTML element named ordersListing that will receive the custom event notification.

The event name must be ordersReceived.

The event must pass a custom value named orderCount.

The event must run a JavaScript method named showOrdersReceivedCount after the orders Listing HTML element receives the event.

Do not allow other DOM elements to receive the event. Allow the event to be cancelled.

Send the event into the event system.

You need to implement the custom event to notify specific DOM elements of the AJAX response. Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

	Answer Area
<pre>ordersListing.dispatchEvent(new CustomEvent ("ordersReceived", { detail: { orderCount: 5 }, bubbles: false, cancelable: true }));</pre>	
<pre>var ordersReceivedEvent = new CustomEvent ("ordersReceived", { bubbles: true, cancelable: true });</pre>	
<pre>ordersListing.addEventListener ("orders", showOrders);</pre>	
<pre>ordersReceived.dispatchEvent (ordersReceivedEvent);</pre>	
<pre>var ordersReceived = document.getElementById ("ordersReceived");</pre>	
<pre>var ordersListing = document.getElementById ("ordersListing");</pre>	
<pre>ordersListing.addEventListener ("ordersReceived", showOrdersReceivedCount);</pre>	
<pre>ordersListing.dispatchEvent(new CustomEvent ("ordersReceived", { detail: { orderCount: 5 }, bubbles: true, cancelable: false }));</pre>	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * From Scenario: Do not allow other DOM elements to receive the event. So: bubbles: false
- * From scenario: Allow the event to be cancelled. So: cancelable: true
- * From scenario:

The webpage must contain an HTML element named ordersListing that will receive the custom event notification.

* Events which are designated as bubbling will initially proceed with the same event flow as non- bubbling events. The event is dispatched to its target EventTarget and any event listeners found there are triggered. Bubbling events will then trigger any additional event listeners found by following the EventTarget's parent chain upward, checking for any event listeners registered on each successive EventTarget. This upward propagation will continue up to and including the Document. EventListeners registered as capturers will not be triggered during this phase. The chain of EventTargets from the event target to the top of the tree is determined before the initial dispatch of the event. If modifications occur to the tree during event processing, event flow will proceed based on the initial state of the tree.

Note:

* Ajax (an acronym for Asynchronous JavaScript and XML) is a group of interrelated web development techniques used on the client-side to create asynchronous web applications. With Ajax, web applications can send data to, and retrieve data from, a server asynchronously (in the background) without interfering with the display and behavior of the existing page. Data can be retrieved using the XMLHttpRequest object. Despite the name, the use of XML is not required (JSON is often used instead), and the requests do not need to be asynchronous.

NEW QUESTION 201

You are developing a web page that includes the following HTML.

 Hello There! The font color of text inside the span must be red.

You need to develop the web page to meet the requirement.

Which two CSS segments will achieve the goal? (Each correct answer presents a complete solution. Choose two.)

- ☐ A. `.redText`

```
{
  color: red;
}
```
- ☐ B. `.myTextSpan`

```
{
  color: red;
}
```
- ☐ C. `span#myTextSpan`

```
{
  color: red;
}
```
- ☐ D. `#redText`

```
{
  color: red;
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: AC

Explanation:

You can refer to class, by `.redText`, or the span, by `span#myTextSpan`.

NEW QUESTION 204

You are building a web page for a newspaper publisher. You have the following requirements:

The web page should split the content into columns that are at least 100 pixels wide. The number of columns displayed must be set by the browser.

You need to implement the correct CSS properties. Which line of code should you use?

- A. `<div id="outer" style="width: 100px; column-fill: balance;">...</div>`
- B. `<div id="outer" style="width: 100px; column-gap: 10px;">...</div>`
- C. `<div id="outer" style="column-width: 100px;">...</div>`
- D. `<div id="outer" style="width: 100px; columns: 100px 3">...</div>`

Answer: C

Explanation:

column-width

The width attribute specifies the width of a `<col>` element.

Normally, a `<col>` element takes up the space it needs to display the content. The width attribute is used to set a predefined width of a `<col>` element.

Syntax:

`<col width="pixels|%|relative_length">`

NEW QUESTION 209

You develop an HTML5 webpage. You have the following HTML markup:

```
<section id="news">
  <h1>World News</h1>
  <article id="news1">...</article>
  <article id="news2">...</article>
  <article id="news3">...</article>
</section>
<section id="sports">
  <h1>Sports</h1>
  <article id="sports1">...</article>
  <article id="sports2">...</article>
  <article id="sports3">...</article>
</section>
```


You need to add a background color to the first article in each section. Which code segment should you add to the webpage?

- A. `$ ("section:article:first-child").css("background-color", "#f2f2f2");`
- B. `$ ("section:first-child").css ("background-color", "#f2f2f2");`
- C. `$ ("article:first-of-type") .css("background-color", "#f2f2f2");`
- D. `$ ("section:first-of-type").css("background-color", "#f2f2f2");`

Answer: C

Explanation:

The `:first-of-type` selector matches every element that is the first child, of a particular type, of its parent.

Reference: CSS3 `:first-of-type` Selector

NEW QUESTION 211

You develop an HTML5 application for a company. Employees must enter a personal identification number (PIN) in an INPUT element named SecurityCode to access their employee records.

The SecurityCode element must meet the following requirements: Allow up to 6 digits.

Do not display numbers as they are entered.

Display the text Enter PIN Code before the user enters any data. You need to implement the SecurityCode element.

Which HTML markup should you add to the application?

- ☒ A.

```
<input name="SecurityCode"
    type="text"
    maxlength="6"
    title="Enter PIN Code"
    pattern="*****"
/>
```
- ☐ B.

```
<input
    name="SecurityCode"
    type="text"
    maxlength="6"
    title="Enter PIN Code"
    pattern="*****"
/>
```
- ☐ C.

```
<input
    name="SecurityCode"
    type="password"
    size="6"
    placeholder="Enter PIN Code"
    pattern="*****"
/>
```
- ☐ D.

```
<input name="SecurityCode"
    type="password"
    maxlength="6"
    placeholder="Enter PIN Code"
/>
```
- ☐ E.

```
<input name="SecurityCode"
    type="password"
    maxlength="6"
    value="Enter PIN Code"
/>
```

- A. Option A
- B. Option B
- C. Option C
- D. Option E

Answer: D

Explanation:

* Input Type: password

<input type="password"> defines a password field.

The characters in a password field are masked (shown as asterisks or circles).

* The placeholder attribute specifies a short hint that describes the expected value of an input field

a. g. a sample value or a short description of the expected format).

The short hint is displayed in the input field before the user enters a value.

The placeholder attribute works with the following input types: text, search, url, tel, email, and password.

Reference: HTML Input Types ; HTML <input> placeholder Attribute

NEW QUESTION 215

DRAG DROP

You develop an HTML5 webpage. You have the following HTML markup:

```
<div id="MapContents"></div>

```

You need to update the content of the DIV element when the mouse hovers over an image and when the mouse coordinates change.

How should you complete the relevant code? (To answer, drag the appropriate code segment to the correct location or locations in the answer area)

A. Mastered

B. Not Mastered

Answer: A

Explanation:

* addEventListener mousemove

Use the element.addEventListener() method to attach an event handler to a specified element. onmousemove : Fires when the mouse pointer is moving while it is over an element

* The clientX property returns the horizontal coordinate (according to the client area) of the mouse pointer when a mouse event was triggered.

Example:

Output the coordinates of the mouse pointer when an mouse event has occurred: var x = event.clientX; // Get the horizontal coordinate

var y = event.clientY; // Get the vertical coordinate var coor = "X coords: " + x + ", Y coords: " + y;

The result of coor could be: X coords: 142, Y coords: 99

Reference: HTML DOM addEventListener() Method; onmousemove Event; MouseEvent clientX Property

NEW QUESTION 219

HOTSPOT

You are creating a custom CSS3 style.

You have the following requirements to complete the style: Box1 has a red outline.

Box1 contains box2, and box2 must remain inside box1 Box2 must have a green to black gradient.

Box2 must be surrounded by white space. The style resembles the following diagram:



You need to add the CSS3 code to the styles.

How should you complete the relevant code? (To answer, select the appropriate code segment in each drop-down list in the answer area.)

```
<style>
#box1
{
  [ ]
}

#box2
{
  width: 6em;
  height: 4em;
  position: absolute;
  [ ]
  [ ]
}
</style>
```

```
<style>
  #box1
  {
    margin: 5em; border: 1px solid #f00;
    margin: 5em; border-color: red;
    margin: 10px 10px 10px 10px; color: red;
    margin: 10px 10px 10px 10px; border-style: solid;
  }

  #box2
  {
    width: 6em;
    height: 4em;
    position: absolute;

    background-image: linear-gradient(to bottom, green, black);
    background-image: linear-gradient(to top, green, black);
    background-image: radial-gradient(to bottom, green, black);
    background-image: radial-gradient(to top, green, black);

    margin: 0px 0px 0px 0px;
    margin: 10px 10px 10px 10px;
    padding: 0px 0px 0px 0px;
    padding: 10px 10px 10px 10px;
  }
</style>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * border: 1px solid #f00;
a red border 1 pixel thick.
- * background-image: linear-gradient(to bottom, green,black); Linear Gradients (goes down/up/left/right/diagonally).
Starts at the top with green and goes to bottom with black.
- * margin: 10px 10px 10px 10px;
The CSS margin properties define the space around elements.
The top, right, bottom, and left margin can be changed independently using separate properties. Incorrect:
- * border-color: red;
will not display any border
- * Radial Gradients (defined by their center).

NEW QUESTION 222

You are creating a custom function. You pass an object named testObj to the function as a parameter. You do not use inheritance through the functions. The function must establish whether testObj inherits from another object named parentObj. You need to ensure that the function performs as required. Which method or operator should you add to the function?

- A. parentObj instanceof(testObj)
- B. testObj.isPrototypeOf(parentObj)
- C. testObj instanceof(parentObj)
- D. parentObj.isPrototypeOf(testObj)

Answer: B

Explanation:

The isPrototypeOf() method tests for an object in another object's prototype chain. Reference: Object.prototype.isPrototypeOf()

NEW QUESTION 223

You develop an HTML5 webpage. You have the following HTML markup:

```
Total Products: <span id="products"></span><br />
Total Boxes: <span id="boxes"></span><br />
<input type="button" id="addOneItem" value="Add one item to the order" />
<input type="button" id="addBoxOfItems" value="Add a box to the order" />
```


You need to call the click event for the addOneItem button a determined number of times when the user clicks the addBoxOfItems button. Which code segment should you add to the webpage?

- ☐ A.

```
$('#addBoxOfItems').on(function (event) {
    for (var i = 0; i < itemsPerBox; i++) {
        $('#addOneItem').trigger('click');
    }
});
```
- ☐ B.

```
$('#addBoxOfItems').click(function (event) {
    for (var i = 0; i < itemsPerBox; i++) {
        $('#addOneItem').click('click');
    }
});
```
- ☐ C.

```
$('#addBoxOfItems').on(function (event) {
    for (var i = 0; i < itemsPerBox; i++) {
        $('#addOneItem').click();
    }
});
```
- ☐ D.

```
$('#addBoxOfItems').click(function (event) {
    for (var i = 0; i < itemsPerBox; i++) {
        $('#addOneItem').trigger('click');
    }
});
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

jQuery provides a way to trigger the event handlers bound to an element without any user interaction via the .trigger() method.

jQuery's event handling system is a layer on top of native browser events. When an event handler is added using .on("click", function() {...}), it can be triggered using jQuery's .trigger("click") because jQuery stores a reference to that handler when it is originally added. Additionally, it will trigger the JavaScript inside the onclick attribute.

Reference: Triggering Event Handlers

NEW QUESTION 224

You develop an HTML application that is located at www.adventure-works.com. The application must load JSON data from www.fabrikam.com. You need to choose an approach for loading the data. What should you do?

- A. Add a crossdomain.xml file to the second server.
 B. Configure Cross-Origin Resource Sharing (CORS) on the servers.
 C. Load the data in a JavaScript timeout callback.
 D. Reference the remote data as an XML resource.

Answer: B

Explanation:

* Cross-origin resource sharing (CORS) is a mechanism that allows Javascript on a web page to make XMLHttpRequests to another domain, not the domain the Javascript originated from. Such "cross- domain" requests would otherwise be forbidden by web browsers, per the same origin security policy. CORS defines a way in which the browser and the server can interact to determine whether or not to allow the cross-origin request.[2] It is more powerful than only allowing same-origin requests, but it is more secure than simply allowing all such cross-origin requests.

* You must use Cross Origin Resource Sharing

It's not as complicated as it sounds...simply set your request headers appropriately...in Python it would look like:

```
self.response.headers.add_header('Access-Control-Allow-Origin', '*'); self.response.headers.add_header('Access-Control-Allow-Methods', 'GET, POST, OPTIONS'); self.response.headers.add_header('Access-Control-Allow-Headers', 'X-Requested-With'); self.response.headers.add_header('Access-Control-Max-Age', '86400');
```

NEW QUESTION 226

You are creating a blog site by using HTML5 and JavaScript. An inline frame enables users to post comments. It is possible for users to inject malicious scripts into their comments.

You need to minimize the ability for malicious scripts to execute on the site. Which line of code should you use?

- A. `<iframe sandbox src="frame1.html"></iframe>`
 B. `<iframe seamless="allowscripts" src="frame1.html"></iframe>`
 C. `<iframe seamless src="frame1.html"></iframe>`
 D. `<iframe sandbox="allowscripts" src="frame1.html"></iframe>`

Answer: A

Explanation:

The sandbox attribute enables an extra set of restrictions for the content in the iframe. Syntax

<iframe sandbox="value">

Attribute Values

no value: Applies all restrictions etc.

No attribute value: allowscripts (not D) Reference: HTML <iframe> sandbox Attribute

NEW QUESTION 229

You develop an HTML5 application that interacts with a REST service. The REST service accepts JSON data. A JavaScript object named form Data contains data that is sent to the REST service. You need to convert the JavaScript object named formData into JSON.

Which code segment should you use?

A. jQuery.ajax.valueOf(formData);

B. window.evai(formData);

C. JSON.stringify (formData);

D. formData.toString();

Answer: C

Explanation:

JSON.stringify converts a JavaScript value to a JavaScript Object Notation (JSON) string. Reference: JSON.stringify Function (JavaScript)

NEW QUESTION 230

You are developing an HTML page that includes the following code.

<h1 id="header">A Static Page</h1>

You need to modify the content of the H1 element dynamically by using JavaScript. Which code segment should you use?

☐ A.

```
var myHeader = document.getElementsByTagName("header");  
  
myHeader = "A Dynamic Page";
```

☐ B.

```
var myHeader = document.getElementById("header");  
  
myHeader = "A Dynamic Page";
```

☐ C.

```
var myHeader = document.getElementsByTagName("header");  
  
myHeader.innerHTML = "A Dynamic Page";
```

☐ D.

```
var myHeader = document.getElementById("header");  
  
myHeader.innerHTML = "A Dynamic Page";
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer: D

Explanation:

innerHTML

The innerHTML property sets or returns the HTML content (inner HTML) of an element. Example

Change the HTML content of a <h1> element with id="header": document.getElementById("header").innerHTML = "A dynamic page"; Reference: HTML DOM

innerHTML Property

NEW QUESTION 232

You are developing a web page that will contain an animated logo. The web page currently has a logo image on a canvas object.

You need to spin the logo image on the canvas. Which method should you use?

A. context.rotate()

B. context.spin()

C. context.translatePosition()

D. context.setTransform()

Answer: A

Explanation:

The rotate() method rotates the current drawing. Example

Rotate the rectangle 20 degrees: JavaScript:

```
var c=document.getElementById("myCanvas"); var ctx=c.getContext("2d"); ctx.rotate(20*Math.PI/180); ctx.fillRect(50,20,100,50);
```

Incorrect:

not B: there is no canvas.spin method. Reference: HTML canvas rotate() Method

NEW QUESTION 235

You create the following JavaScript code:

```
var myApplication = myApplication || {};
myApplication.Vehicle = function (displayControl, color, seatCount, tranType, wheelCount) {
  this.Color = color;
  this.NumberOfSeats = seatCount;
  this.TransmissionType = tranType;
  this.NumberOfWheels = wheelCount;
  this.showVehicle = document.getElementById(displayControl);
};
myApplication.Vehicle.prototype = {
  Describe: function () {
    var valuesToDisplay = '';
    for (var property in this) {
      if (typeof (this[property]) === 'string')
      {
        valuesToDisplay += 'Vehicle ' + property + ' is ' + this[property] + '<br />';
      }
      else if (typeof (this[property]) === 'number')
      {
        if (this[property] < 4)
        {
          valuesToDisplay += 'Stay safe!' + '<br />';
        }
        else if (this[property] >= 10)
        {
          valuesToDisplay += 'Big machine!' + '<br />';
        }
      }
    }
    this.showVehicle.innerHTML = valuesToDisplay;
  }
};
```

You have the following requirements:

You must invoke a function that displays the vehicle information within the following HTML element:

<div id="display"x/div>

The output of the function must appear on the webpage as follows: Vehicle Color is silver

Stay safe!

Vehicle TransmissionType is manual Big machine!

You need to invoke the JavaScript function to display the required output in the HTML element. Which two code segments should you use? (Each correct answer presents a complete solution. Choose two.)

- ☐ A. `var mySportsCar = new myApplication.Vehicle('display', 'manual', 4, 'silver', 4);`
`mySportsCar.Describe();`
- ☐ B. `var myDumpTruck = new myApplication.Vehicle('display', 'silver', 10, 'manual', 2);`
`myDumpTruck.Describe();`
- ☐ C. `var myBigRig = new myApplication.Vehicle('display', 'silver', 2, 'manual', 16);`
`myBigRig.Describe();`
- ☐ D. `var myMotorcycle = new myApplication.Vehicle('display', 'blue', 2, 'manual', 2);`
`myMotorcycle.Describe();`
- ☐ E. `var myMotorhome = new myApplication.Vehicle('display', 'silver', 3, 'manual', 10);`
`myMotorhome.Describe();`

- A. Option A
 B. Option B
 C. Option C
 D. Option D
 E. Option E

Answer: CE

Explanation:

The second argument should be 'silver'.
The third argument should be a number less than 4.

NEW QUESTION 236

You are developing an application that processes order information. Thousands of orders are processed daily. The application includes the following code segment. (Line numbers are included for reference only.)

```
01 var counter = 0;
02 while (process()) {
03     counter++;
04
05     updateStatus();
06 }
```

The application must:

Display the number of orders processed and the number of orders remaining Update the display for every 25th record processed

You need to develop the application to meet these requirements. Which line of code should you insert at line 04?

- A. if (!(counter % 25))
- B. if (counter == 25)
- C. if (counter >> 25 == 0)
- D. if (counter << 25 == 0)

Answer: A

Explanation:

%

(Modulus) Computes the integer remainder of dividing 2 numbers. Incorrect:

>> (Sign-propagating right shift) Shifts the first operand in binary representation the number of bits to the right specified in the second operand, discarding bits shifted off.

<< (Left shift) Shifts its first operand in binary representation the number of bits to the left specified in the second operand, shifting in zeros from the right.

Reference: JavaScript Operators

NEW QUESTION 238

You troubleshoot a webpage that contains the following HTML markup: (Line numbers are included for reference only.)

```
01 <div onclick="someEvent()">
02     <input type="radio" name="sizeRadio" id="sizeRadioSml" value="1" />
    <label for="sizeRadioSml">Small</label>
03     <input type="radio" name="sizeRadio" id="sizeRadioMed" value="2" />
    <label for="sizeRadioMed">Medium</label>
04     <input type="radio" name="sizeRadio" id="sizeRadioLrg" value="3" />
    <label for="sizeRadioLrg">Large</label>
05 </div>
```

The webpage also contains the following JavaScript function named someEvent() that is declared in the HEAD section of the HTML:

```
Function someEvent() { Alert('someEvent fired!');
}
```

The JavaScript function named someEvent() must run only when the user clicks the DIV element, not the INPUT elements.

You need to modify the webpage to invoke the JavaScript function named someEvent(). What should you do? (Each correct answer presents a complete solution. Choose two.)

▢ A. Modify all INPUT elements by using the following HTML attribute:

```
onclick="stopPropagation(event) "
```

Declare the JavaScript function named **stopPropagation()** in the HEAD section of the HTML as follows:

```
function stopPropagation(event) {
    event = event || window.event;
    if (event.stopPropagation) {
        event.stopPropagation();
    } else {
        event.cancelBubble = true;
    }
}
```

▢ B. Place all INPUT elements within a SPAN element.

▢ C. Replace the DIV element declaration at line 01 with the following HTML markup:

```
<div onclick="someEvent(this,event) ">
```

Modify the JavaScript function named **someEvent()** as follows:

```
function someEvent( el, event ) {
    var target = event.srcElement || event.target;
    if( el === target ) {
        alert('someEvent fired!');
    }
}
```

▢ D. Replace the DIV element declaration at line 01 with the following HTML markup:

```
<div>
```

Modify all INPUT elements by using the following HTML attribute:

```
onclick="someEvent() "
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: AB

NEW QUESTION 240

You develop an HTML5 webpage with custom CSS. You have the following HTML markup:

```
<div class="new" Item">...</div>
```

You have the following requirements:

In addition to your CSS, you must use a corporate branded stylesheet named corporate.css. The corporate.css file contains the style rule that must be used for .newsItem.

You must use the corporate.css file to ensure that the webpage changes when the brand changes. You must add additional style rules to the webpage.

You cannot modify the corporate.css file.

You need to apply the appropriate CSS rules to meet the requirements. What should you do?

- A. Add a CSS class named .newsItemUpdates to the webpage, add only the new styles to this class, and update the class attribute of the HTML markup:<div class=nnewsItem newsItemUpdates">...</div>
- B. Update the corporate.css file to include! important for each rule for the .newsItem
- C. class, and add the new CSS rules to the webpage by using the CSS class .newsItem.
- D. Add a CSS class named .newsitemUpdates to the webpage, add the new styles to this class, and update the HTML markup to replace the .newsItem class with this new class:<div class*"newsItemOpdates">...</div>
- E. Add the new CSS rules to the webpage by using the CSS class .newsItem, and add! important to each rule.

Answer: D

Explanation:

CSS attempts to create a balance of power between author and user style sheets. By default, rules in an author's style sheet override those in a user's style sheet. However, for balance, an "important" declaration (the delimiter token "!" and keyword "important" follow the declaration) takes precedence over a normal

declaration. Both author and user style sheets may contain "!important" declarations, and user "!important" rules override author "!important" rules. This CSS feature improves accessibility of documents by giving users with special requirements (large fonts, color combinations, etc.) control over presentation.

Incorrect:

Not B: It is stated that you are not allowed to update the corporate.css file. Reference: Assigning property values, Cascading, and Inheritance, !important rules

NEW QUESTION 241

You are developing an e-commerce website. Users place products into a shopping cart. You need to ensure that the shopping cart data is available between browser sessions. Which object should you use to store the shopping cart data?

- A. clientStorage
- B. localStorage
- C. applicationStorage
- D. sessionStorage

Answer: B

Explanation:

With local storage, web applications can store data locally within the user's browser. HTML local storage, better than cookies.

Before HTML5, application data had to be stored in cookies, included in every server request. Local storage is more secure, and large amounts of data can be stored locally, without affecting website performance.

Reference: HTML5 Local Storage

NEW QUESTION 243

You develop an HTML5 webpage that contains the following HTML markup:

```
<label for='favoriteColor'>Favorite Color(2-10 characters):</label>
<input type='text' id='favoriteColor' />
<input type='button' value='Submit'
  onclick="testLength(document.getElementById('favoriteColor'), 2, 10)" />
```

Users must receive a message after they click the Submit button if the text entered into the favoriteColor text box is fewer than 2 characters or greater than 10 characters.

You need to implement the testLength() function. Which code segment should you use?

- ☐ A.

```
function testLength(element, min, max) {
    var uInput = element.value;
    var min = element.value.length;
    var max = element.value.slice(0, element.value.length);
    if (uInput.length >= min && uInput.length <= max) {
        return true;
    } else {
        alert("Please enter between " + min + " and " + max + " characters");
        element.focus();
        return false;
    }
}
```
- ☐ B.

```
function testLength(min, max) {
    var uInput = this.value;
    if (uInput.length >= min && uInput.length <= max) {
        return true;
    } else {
        alert("Please enter between " + min + " and " + max + " characters");
        element.focus();
        return false;
    }
}
```
- ☐ C.

```
function testLength(this) {
    var uInput = this.value;
    var min = this.value.length;
    var max = this.value.slice(0, this.value.length);
    if (uInput.length >= min && uInput.length <= max) {
        return true;
    } else {
        alert("Please enter between " + min + " and " + max + " characters");
        element.focus();
        return false;
    }
}
```
- ☐ D.

```
function testLength(element, min, max) {
    var uInput = element.value;
    if (uInput.length >= min && uInput.length <= max) {
        return true;
    } else {
        alert("Please enter between " + min + " and " + max + " characters");
        element.focus();
        return false;
    }
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: D

Explanation:

Use three arguments: element, min, max. Compare element.value with min and max.

NEW QUESTION 248

You are developing an HTML5 web application. The application loads data from a web service by using AJAX. The application displays the data by calling the displayData function. The data is loaded by using the following code.

```
var ajax = $.ajax({
    url: dataUri,
});
```

You need to ensure that the data is displayed when it is successfully retrieved from the web service. Which code segment should you use?

- ☐ A. `displayData (ajax.data);`
- ☐ B. `ajax.done = function (data) {
 displayData (dataOperation);
 };`
- ☐ C. `ajax.always = function (data) {
 displayData (dataOperation);
 };`
- ☐ D. `displayData (ajax.val());`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: B

Explanation:

The deferred.done() method accepts one or more arguments, all of which can be either a single function or an array of functions. When the Deferred is resolved, the doneCallbacks are called. Callbacks are executed in the order they were added. Since deferred.done() returns the deferred object, other methods of the deferred object can be chained to this one, including additional .done() methods.

\$.ajax

Reference: JQuery, deferred.done()

NEW QUESTION 252

You are developing an HTML5 page named main.html. The JavaScript code for the main page is located in a file named myApp.js. You need to create a web worker and instantiate it from main.html. Where should you place the web worker code?

- A. In the myApp.js file
 B. In the main.html file
 C. In a separate .js (JavaScript) file
 D. In a separate executable file

Answer: C

Explanation:

Spawning a dedicated worker

Creating a new worker is simple. All you need to do is call the Worker() constructor, specifying the URI of a script to execute in the worker thread (main.js):

var myWorker = new Worker("worker.js"); Reference: Using Web Workers

NEW QUESTION 255

You are developing a JavaScript library. You have the following requirements:

Custom exceptions must include an error message and custom error number. These exceptions must be thrown when data validation errors occur.

Developers must call the library to easily catch the exception and identify the problem. You develop the following code. (Line numbers are included for reference only.)

```
01 function ValidationException(number, message) {
02     this.message = message;
03     this.name = "myLibrary Exception";
04     this.number = number;
05 }
06
07 function myFunction(dayOfWeek) {
08     if (dayOfWeek > 7) {
09
10     }
11 }
```

You need to complete the code to meet the requirements. Which line of code should you insert at line 09?

- A. throw new ValidationException.Exception (123, "Day of week must be less than 7");
 B. return new ValidationException(123, "Day of week must be less than 7");
 C. throw ValidationException(123, "Day of week must be less than 7");
 D. catch ValidationException(123, "Day of week: must be less than 7");

Answer: A

Explanation:

Example:

```
if (value < -100 || value > 100)
{
    throw new ValidationException(String.Format("Value is {0} than {1}.", (value > 100 ? "greater" : "less"), value));
}
```

NEW QUESTION 257

You are troubleshooting a web page that includes the following code segment.

```
var x = 0;
function fun() {
    var x = 1;
    if (x) {
        x = 2;
    }
}
fun();
alert(x);
```

You need to evaluate the value of the variable x. What will be displayed in the user interface?

- A. 1
B. 2
C. An error

Answer: A

Explanation:

* Alert(x) is within the scope of the outermost assignment, x=0.

- * Local variables have local scope: They can only be accessed within the function. Example

```
// code here can not use carName function myFunction() {
```

```
var carName = "Volvo";
```

```
// code here can use carName
```

* A variable declared outside a function, becomes GLOBAL.
A global variable has global scope: All scripts and functions on a web page can access it.

Example

```
var carName = " Volvo";
```

```
// code here can use carName function myFunction() {
```

```
// code here can use carName
```

* The alert() method displays an alert box with a specified message and an OK button.

An alert box is often used if you want to make sure information comes through to the user. Reference: JavaScript Scope

NEW QUESTION 260

HOTSPOT

You are validating user input by using JavaScript and regular expressions. A group of pre-defined regular expressions validate two input fields:

You need to use the correct expression to validate the input.

Which expression should you insert into each function? To answer, select the appropriate options from the drop-down lists in the answer area.

Answer Area

```
function validateID(userinput) {
```

```
var IDPattern =
```

```

/^d{1,2}(\-|V|\_)\d{1,2}\1d{4}$/;
/^0-9}{3}\-?[0-9]{2}\-?[0-9]{4}$/;
/^0-9}{0}\^*[0-9]{2}\^*[0-9]{4}$/;
/^a-zA-Z0-9_-]+@[a-zA-Z0-9_-]+\.[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9_-]+\.[0-9]{2,4}$/;

```

```
return IDPattern.test ( userInput ) ;
```

3

```
function validateEmail ( userInput ) {
```

```
var emailPattern =
```

```
/^\\d{1,2}(\\|-\\|\\ )\\d{1,2}\\|\\d{4}$/;  
/^\\[0-9\\]\\{3\\}\\^?\\[0-9\\]\\{2\\}\\^?\\[0-9\\]\\{4\\}$/;  
/^\\[0-9\\]\\{0\\}\\^*\\[0-9\\]\\{2\\}\\^*\\[0-9\\]\\{4\\}$/;  
/^\\[a-zA-Z0-9\\-\\+\\@\\[a-zA-Z0-9\\-\\+\\|\\[a-zA-Z\\]\\{2,4\\}$/;  
/^\\[0-9\\{3\\}\\+\\@\\[a-zA-Z0-9\\-\\+\\|\\[0-9\\]\\{2,4\\}$/;
```

```
return emailPattern.test (userinput) ;
```

}

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
function validateID(userinput) {
    var IDPattern = 
    return IDPattern.test ( userinput ) ;
}

function validateEmail ( userinput) {
    var emailPattern = 
    return emailPattern.test (userinput) ;
}
```

NEW QUESTION 264

HOTSPOT

You have the following markup.

```
<form id= "formLogin">
  <input type= "text" id= "fieldLoginName" />
  <input type= "password" id= "fieldPassword" value= "MySecretPassword" />
  <input type= "submit" onclick= "Validation ();"/>
</form>
<script>
  $(document).ready (function ( ) {
    var fldPassword = document.getElementById("fieldPassword") ;
    fldPassword.value = "MyNewSecretPassword" ;
    alert(fldPassword.value) ;
  });
</script>
```

For each of the following statements, select yes if the statement is true. Otherwise, select No.

Answer Area

Statements	Yes	No
A default value is set for the filedPassword field.	<input type="radio"/>	<input type="radio"/>
As a user types in the fieldPassword field, the typed characters will be masked.	<input type="radio"/>	<input type="radio"/>
When the page loads, an alert will be displayed that shows the current value of the fieldPassword field as MyNewSecretPassword.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
A default value is set for the filedPassword field.	<input checked="" type="radio"/>	<input type="radio"/>
As a user types in the fieldPassword field, the typed characters will be masked.	<input checked="" type="radio"/>	<input type="radio"/>
When the page loads, an alert will be displayed that shows the current value of the fieldPassword field as MyNewSecretPassword.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 266

Which CSS3 code segment styles the text color of EM elements to be red and semi-transparent?

- A. em { color: #ff00007f; }
 B. em { color: rgba (255,0,0,0.5); }
 C. em { color: rgba (255,0,0,0.127); }
 D. em { color: rgba (100%,0%,0%, 50%); }

Answer: B

Explanation:

References:

http://www.w3schools.com/cssref/css_colors_legal.asp

NEW QUESTION 270

DRAG DROP

You are developing a corporate website for a company. The website uses a style sheet to enforce corporate image standards. Users report that the website is not properly rendering the styles.

You create a web page to test the styles by using the following code.

```
<!DOCTYPE html>
<html>
<head>
<title></title>
<style>
  body {
    background-color: gray;
  }

  .a {
    background-color: white;
  }

  .b {
    background-color: black;
    color: white;
  }
</style>
</head>
<body>
  <div class = "a">Sample Text
    <div class = "b">Sample Text</div>
    <p>Sample Text</p>
  </div>
  <div class= "a b">Sample Text</div>
</body>
</html>
```

You need to verify how the style will be displayed.

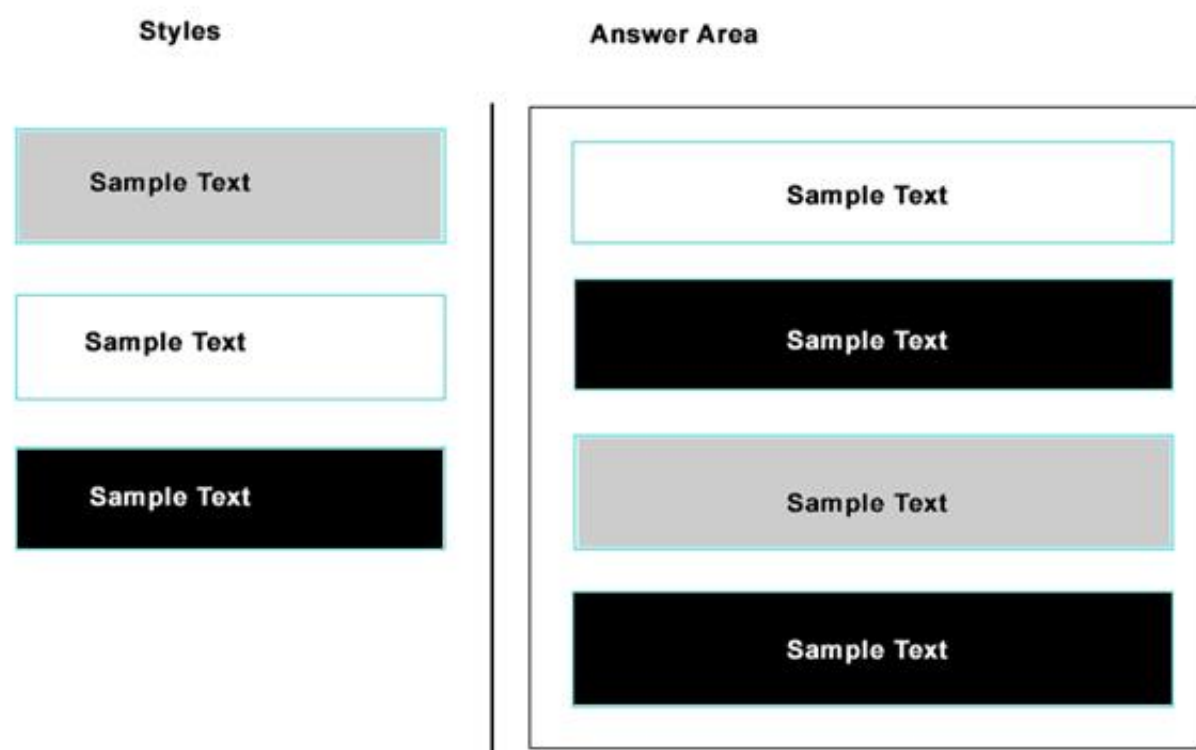
In which order will the results be displayed? (To answer, drag the appropriate style from the list of styles to the correct location or locations in the work area.)

Styles	Answer Area
<div>Sample Text</div>	<div>Style</div>
<div>Sample Text</div>	<div>Style</div>
<div>Sample Text</div>	<div>Style</div>
	<div>Style</div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 273

Which CSS3 code fragment uses a pseudo-element?

- A. p : first-letter {font-weight: bold;}
- B. div>p {font-weight: bold;}
- C. first-letter {font-weight: bold;}
- D. div+p {font-weight: bold;}

Answer: A

Explanation:

References:

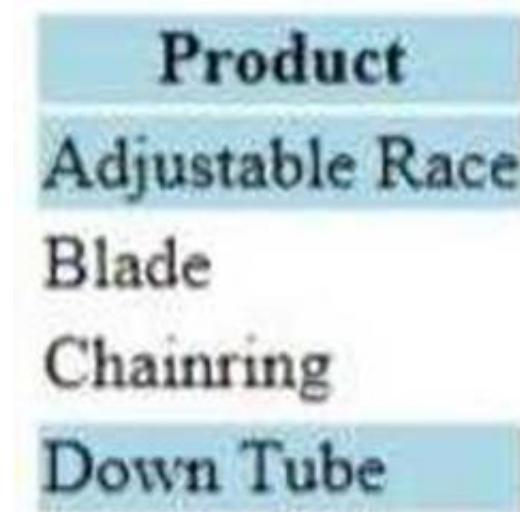
<http://www.html5code.nl/css3-tutorials/css3-tutorial-css3-selectors/>

NEW QUESTION 276

You develop an HTML application that contains a table that displays a list of products. The table is defined with the following HTML markup:

```
<table>
  <thead>
    <tr>
      <th>Product</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Adjustable Race</td>
    </tr>
    <tr>
      <td>Blade</td>
    </tr>
    <tr>
      <td>Chainring</td>
    </tr>
    <tr>
      <td>Down Tube</td>
    </tr>
  </tbody>
</table>
```

You must style the table to look like the following image:



You need to implement the CSS selectors to select the rows that must have a blue background. Which CSS selector should you use?

- A. tr : first-line, tr :last-child
- B. tr [line |=0, 1, 3]
- C. tr: nth-child (0) : in-range, tr: nth-child (3) : in-range
- D. tr: nth-child(3n+1) {background-color : blue;}

Answer: D

NEW QUESTION 277

You are developing an application in HTML5. You have the following code.

```
function NewOrder (orderId, orderDate) {  
    this.orderId = orderId;  
    this.orderDate = orderDate;  
}
```

You need to add an additional property to the function definition. Which line of code should you use?

- A. NewOrder ["newProperty"] = "newProperty"
- B. NewOrde
- C. prototyp
- D. newProperty = "newProperty"
- E. this.NewOrde
- F. newProperty = "newProperty"
- G. NewOrde
- H. newProperty = "newProperty"

Answer: C

Explanation:

References: http://www.w3schools.com/js/js_object_prototypes.asp

NEW QUESTION 278

You are building a multiplayer online game that will be deployed to an application server named Server1. Clients will have a low-latency, persistent connection to Server1.

You need to identify a solution for the game. The solution must meet the following requirements: What should you use to develop the solution?

- A. Ajax
- B. HTTP server push
- C. WebSockets
- D. REST

Answer: C

Explanation:

<https://www.html5rocks.com/en/tutorials/websockets/basics/>

NEW QUESTION 280

You have the following code:

```
var objStr = "[1, 2, 3, 4]";
```

You need to convert objStr into an array. Which line of code should you use?

- A. var jsObject = Array.bind(objStr);
- B. var jsObject = Array.valueOf(objStr);
- C. var jsObject = JSON.parse(objStr);
- D. var jsObject = \$.makeArray(objStr);

Answer: C

Explanation:

https://www.w3schools.com/js/js_json_parse.asp

NEW QUESTION 284

DRAG DROP

You have the following markup:

```
<style>
  .flex1 {
    Target 1 : Target 2;
  }
  .flex2 {
    Target 3 : Target 4;
  }
</style>
<div style="display:flex;height:300px;background-color:red">
  <div class="flex1" style="background-color:yellow;border:dotted">
  </div>
  <div class="flex2" style="background-color:grey;border:dotted">
  </div>
</div>
```

You need to complete the styles to meet the following requirements:
How should you complete the styles? To answer, drag the appropriate code elements to the correct targets in the answer area. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Code elements

- flex
- width
- 1
- 2
- 3

Answer Area

Target 1:

Target 2:

Target 3:

Target 4:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Target 1: Flex
Target 2: 1
Target 3: Flex
Target 4: 2
<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

NEW QUESTION 288

DRAG DROP

You have the following HTML markup:

```
<div id="container">
  <form id="form1">
    Select Shipping:
    <select id="shippingType">
      <option>EXPRESS</option>
      <option>GROUND</option>
    </select>
  </form>
</div>
```

You need to create a JavaScript to add an additional option named Air to the shippingType element. You write the following code.

```
function addElements() {

var option = document.getElementById("shippingType");
  Target 1
  newOption.text = "Air";
  Target 2}
```

How should you complete the code? To answer, drag the appropriate lines of code to the correct targets in the answer area. Each line may be used once, more than once, or not at all. You may drag the split bar between panes or scroll to view content.

Lines of Code

```
option.appendChild(newOption);
```

```
option.appendChild(newOption.text);
```

```
option.innerHTML = newOption.text
```

```
var newOption = document.createElement("option");
```

```
var newOption = document.createAttribute("option");
```

```
var newOption = document.createElementNS("option");
```

• • • •

Answer area

Target 1:

Target 2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Target 1:

Var newOption = document.createElement ("option") ; Target 2:

Option.appendChild (newOption.text) ;

NEW QUESTION 290

You are developing a web application in HTML. You have the following HTML code.

```
<div id="footer"></div>
```

You need to ensure that the div footer contains the text "All rights reserved". Which line of code should you use?

- A. document("footer") = "All rights reserved";
- B. document("footer").innerHTML = "All rights reserved";
- C. \$(".footer").value = "All rights reserved";
- D. \$("#footer").html("All rights reserved");

Answer: B

Explanation:

https://www.codecademy.com/en/forum_questions/557ea03cd3292f72d10006bf

NEW QUESTION 292

DRAG DROP

You develop code in JavaScript. The code calls a functions named fn1. Sometimes, fn1 throws a RangeError on a SyntaxError error.

You need to create code to meet the following requirements: Catch the error.

Call the catchRangeError function if RangeError is thrown. Call the catchSyntaxError function if SyntaxError is thrown. Develop the solution by selecting and arranging the required code blocks in the correct order. You may not need all of the code blocks.

Code blocks

```
try {
} catch (error) {
}
fn1();
if (error.name === 'RangeError') {
catchSyntaxError();
else if (error.name === 'SyntaxError') {
catchRangeError();
}
```

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

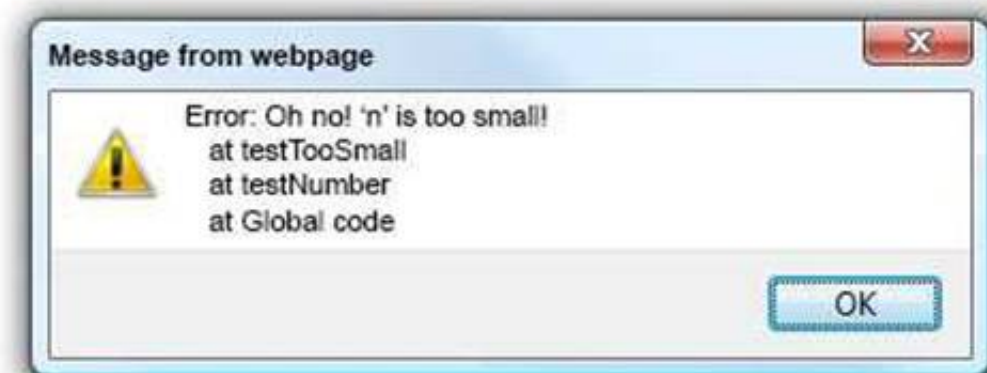
```
try { fn1();
} catch(error) {
if (error.name === 'RangeError') { catchRangeError();}
else if (error.name === 'SyntaxError') { catchSyntaxErrorr();}
}
```

NEW QUESTION 294

You have the following code. (Line numbers are included for reference only.)

```
01  funtion testNumber() {
02  testTooSmall(1);
03  }
04  function testTooSmall(n) {
05  if (n < 2)
06  throw "Oh no! 'n' is too small!"
07  return true;
08  }
09  try {
10  testNumber();
11  }
12  catch (e) {
13  alert(e.stack);
14  }
```

You execute the code and you receive an alert that displays the following message: "Undefined". You need to ensure that the alert displays as shown:



What should you do?

- A. Replace line 13 with the following code:alert(e.message);
- B. Replace line 06 with the following code:throw new eval("Oh no! 'n' is too small!")
- C. Replace line 13 with the following code:alert(e);

D. Replace line 06 with the following code.
`throw new Error("Oh no! 'n' is too small!")`

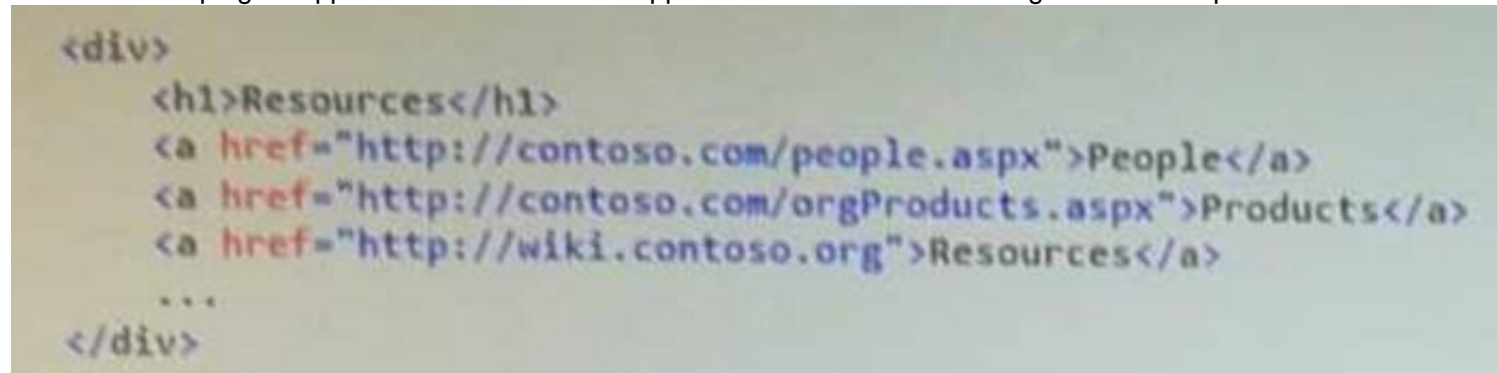
Answer: D

Explanation:

<http://www.javascriptkit.com/javatutors/trycatch2.shtml>

NEW QUESTION 298

You are developing an application in HTML5. The application contains the following HTML markup.



```
<div>
  <h1>Resources</h1>
  <a href="http://contoso.com/people.aspx">People</a>
  <a href="http://contoso.com/orgProducts.aspx">Products</a>
  <a href="http://wiki.contoso.org">Resources</a>
  ...
</div>
```

You need to ensure that all of the links referencing domain names ending in .org are displayed in red text. What should you use?

- A. a JSON parse function
- B. a CSS attribute selector
- C. a CSS pseudo-element
- D. a JSON stringify function.

Answer: B

NEW QUESTION 303

You develop an HTML5 webpage. You have the following HTML markup:

```
Message: <input type="text" id="message" /><br />
<input type="button" id="postMessage" value="post" onclick="postMessage();" />
```

You also have the following JavaScript code:

```
var socket = new WebSocket("ws://myserver");
```

You need to post messages by using the HTML5 WebSocket API. Which code segment should you use?

- A. `socket.onmessage($("#message").val());`
- B. `socket.send($("#message").val());`
- C. `var msg = ($("#message").val());$.post(socket, function (msg) { ... });`
- D. `var msg = ($("#message").val());$.post(socket.onmessage, function (msg) { ... });`

Answer: B

Explanation:

References: https://www.tutorialspoint.com/html5/html5_websocket.htm

NEW QUESTION 304

You develop an application in HTML5. The application has a field named field1 that uses the month input type.

You need to identify what will occur if the application runs from a browser that does not support the month input type.

What should you identify?

- A. The field1 field will be rendered as a text box.
- B. The field1 field will appear as a label named month.
- C. The web page will display an error message.
- D. The field1 field will not be displayed.

Answer: A

Explanation:

References: <https://stackoverflow.com/questions/18020950/how-to-make-input-type-date-supported-on-all-browsers-any-alternatives>

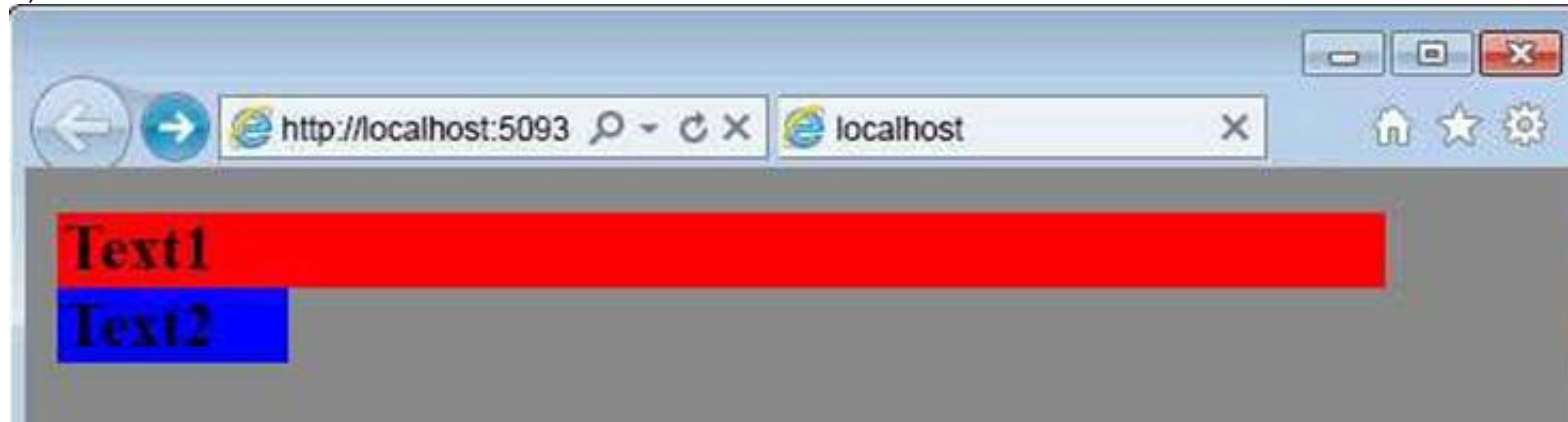
NEW QUESTION 305

You have the following HTML code.

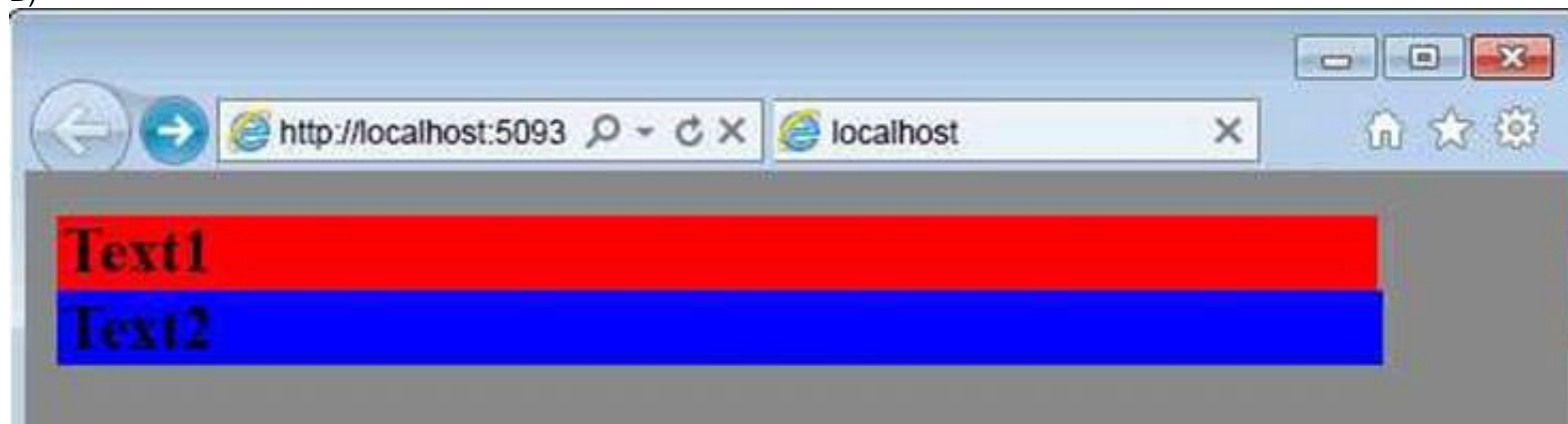

```
<html>
<body style="background-color:grey">
  <span style="background-color:red; width:50%">
    Text1
  </span>
  <div style="background-color:blue; width:50%">
    Text2
  </div>
</body>
</html>
```

You need to identify how Text1 and Text2 will be displayed. What should you identify?

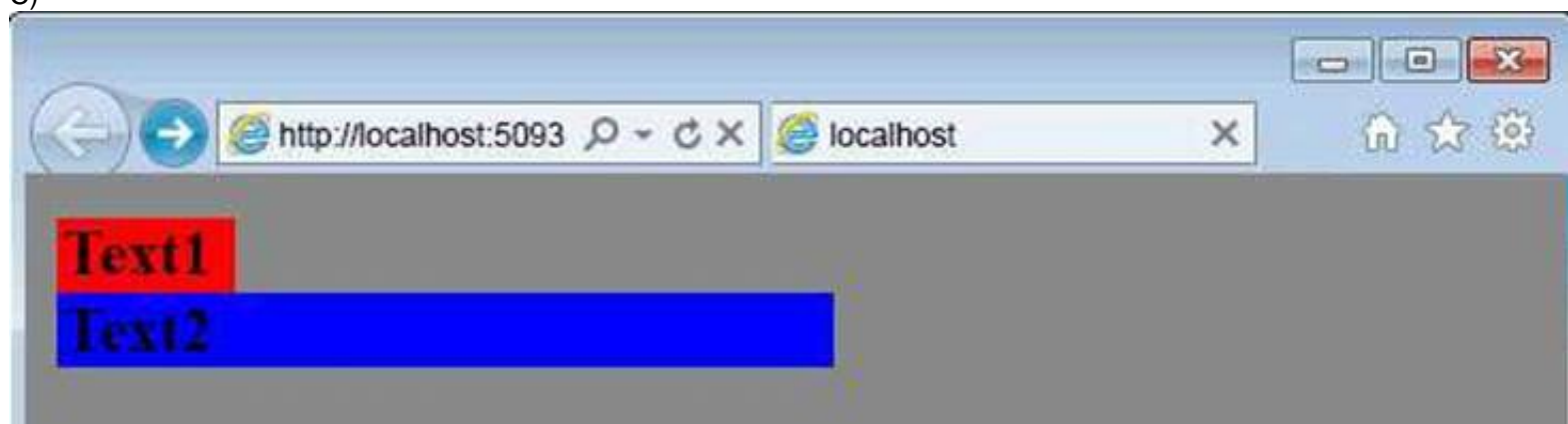
A)



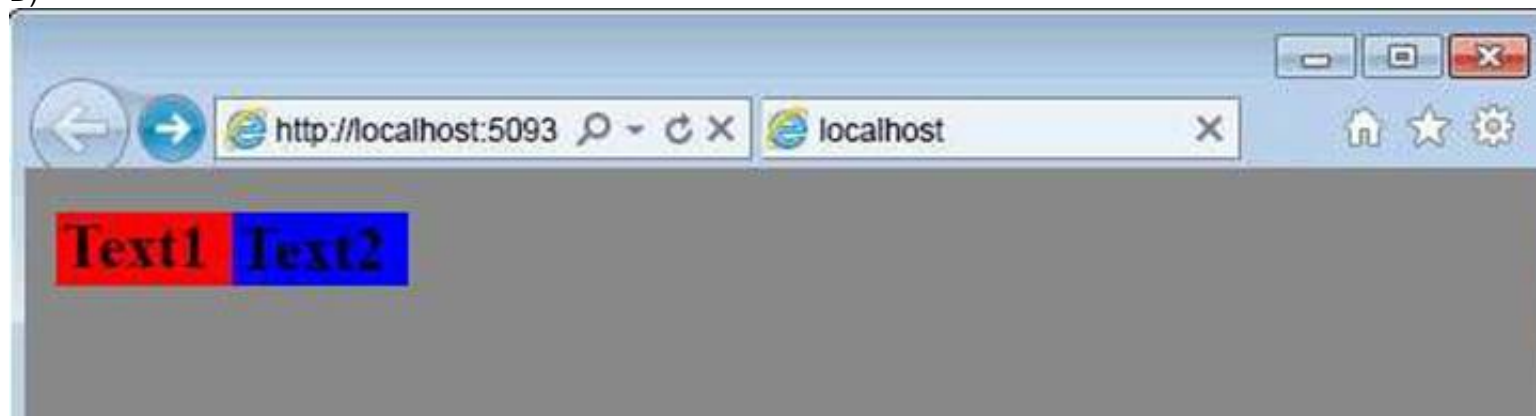
B)



C)



D)



- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

References: https://www.quackit.com/html_5/tags/html_span_tag.cfm https://www.quackit.com/html_5/tags/html_body_tag.cfm
https://www.quackit.com/html_5/tags/html_div_tag.cfm

NEW QUESTION 308

DRAG DROP

You have the following HTML markup.

```
<div>
  <canvas id="canvas1" width="500" height="500">
    Your browser doesn't support HTML5.
  </canvas>
  <button id="btnDraw" onclick="drawOnCanvas()">Draw</button>
</div>
```

You need to ensure that when a user presses btnDraw, a rectangle that has the following characteristics is drawn:

The y-coordinate must equal 10. The x-coordinate must equal 10.

The rectangle must have a height and width of 100. The solution must use local variables only.

Which five JavaScript code segments should you use? Develop the solution by selecting and arranging the required code blocks in the correct order.

Code segments

```
var context = canvas.getCon-
text('2d');
```

```
}
```

```
var context = canvas.getCon-
text('3d');
```

```
context.fillRect(100, 100,
10, 10);
```

```
var canvas = document.get-
ElementById('canvas1');
```

```
context.fillRect(10, 10, 100,
100);
```

```
function drawOnCanvas() {
```

```
var canvas = document.get-
ElementByName ('canvas1');
```

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
function drawOnCanvas() {
```

```
var canvas = document.get-
ElementById('canvas1');
```

```
var context = canvas.getCon-
text('2d');
```

```
context.fillRect(10, 10, 100,
100);
```

```
}
```

NEW QUESTION 313

HOTSPOT

You are developing an application in HTML5. You have the following HTML markup.

```
<div id="div1">
  <div id="div2">
    <div id="div3" onclick="Validate1()">
      <label id="userNameLabel" for="userName">User Name:</label>
      <input type="text" id="userName" onclick="Validate2()" />
    </div>
  </div>
</div>
```

You have the following JavaScript code.

```
$("#userName").click(function (event) {
  event.stopPropagation();
});
```

Use the drop-down lists to select the answer choice that completes each statement.

[answer choice] will be called when the user clicks the userName text box.

	▼
event.stopPropagation	
Validate1	
Validate2	

[answer choice] will be called when the user clicks the userNameLabel label.

	▼
event.stopPropagation	
Validate1	
Validate2	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

[answer choice] will be called when the user clicks the userName text box.

	▼
event.stopPropagation	
Validate1	
Validate2	

[answer choice] will be called when the user clicks the userNameLabel label.

	▼
event.stopPropagation	
Validate1	
Validate2	

NEW QUESTION 315

DRAG DROP

You have a function named getContent that returns a string. Sometimes, the function throws an exception.

You need to develop a method named writeContent. writeContent must generate an HTML page that contains the following:

the text "Welcome"

the content returned by the getContent method or the exception message of an exception thrown by the getContent method

the text "Bye"

In which order should you arrange the code blocks to develop the solution? To answer, move all code blocks from the list of code blocks to the answer area and arrange them in the correct order.

Code segments

```
document.write("getContent throws an  
exception : " + e.message + "<br/>");  
}
```

```
catch (e) {
```

```
finally {
```

```
try {  
document.write("Welcome<br/>");
```

```
document.write(getContent());  
}
```

```
document.write("<br/>Bye");  
}
```

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
try {  
document.write("Welcome<br/>");
```

```
document.write(getContent());  
}
```

```
catch (e) {
```

```
document.write("getContent throws an  
exception : " + e.message + "<br/>");  
}
```

```
finally {
```

```
document.write("<br/>Bye");  
}
```



NEW QUESTION 320

You would like to create a web application by using HTML5, JavaScript, and CSS3.
 Which of the following Visual Studio 2012 editions can you use? (Choose all that apply.)

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web
- E. Visual Studio Express 2012 for Windows 8

Answer: ABCD

Explanation:

References:

http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 323

You would like to create a Windows 8 application by using HTML5, JavaScript, and CSS3. Which of the following Visual Studio 2012 editions can you use? (Choose all that apply.)

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web
- E. Visual Studio Express 2012 for Windows 8

Answer: ABCE

Explanation:

References:

http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 328

You would like to create web applications and Windows 8 Windows Store applications by using HTML5, JavaScript, and CSS3, but while you're learning, you don't want to buy Visual Studio 2012. Which of the following Visual Studio 2012 editions can you use for free to accomplish your goal?

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web and Visual Studio Express 2012 for Windows 8

Answer: D

Explanation:

References:

http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 332

You would like to create a Windows 8 application by using Blend and HTML5, JavaScript, and CSS3. Which feature of Blend enables you to pause an application when it reaches a desired state so you can set the style rules for the page and its controls while in this state? (Choose all that apply.)

- A. Assets panel
- B. Projects panel
- C. Visual Design
- D. Interactive mode

Answer: CD

Explanation:

References:

http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 333

You want to create an expando attribute on several <h3> tags that display vehicles for sale. The expando attribute will store the VIN (vehicle identification number) of the vehicle for sale.

Which of the following is the most appropriate example of creating the expando attribute?

- A. <h3 vin='current VIN here'>1965 VW Beetle</h3>
- B. <h3 id='current VIN here'>1965 VW Beetle</h3>
- C. <h3 data-vin='current VIN here'>1965 VW Beetle</h3>
- D. <h3 datavin='current VIN here'>1965 VW Beetle</h3>

Answer: C

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 338

You are creating a new Windows 8 application, and you want to set up TDD for your JavaScript code. Which testing framework will you use

- A. QUnit
- B. QUnit-Metro
- C. Microsoft Test
- D. NUnit

Answer: B

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 343

What are the steps for TDD?

- A. Write the passing test, write the code, run the test again to validate that it still passes.
- B. Write the failing test, write the code, run the test again to validate that it passes.
- C. Write the code, write the test to validate that it passes, run the test again to validate that it still passes.
- D. Write the passing test, write the code, break the code, run the test again to validate that it fails.

Answer: B

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 347

Where should your JavaScript code be placed?

- A. In the <head> element of your HTML document.
- B. Just before the </body> tag.
- C. You should always place your JavaScript code in separate files, external to your HTML document.
- D. Inside the <body> element, at the top.

Answer: C

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 351

NOTE: This question is a part of series of questions that presents the same scenario. Each question in the series contains unique solution that might meet the started goals. Some questions sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section. you will not be able to return to it. As a result, these questions will not appear in the review screen.

You have the following HTML5 and CSS3 markup within a webpage.

```
<nav id="mainmenu" class="page-nav">

    <div id="navlist" class="container">

        <a href="index.html">Home</a>

        <a href="register.html">Register</a>

    </div>

</nav>
```

You need to set the background color of the Home link to yellow. The solution can affect the color of the other elements.

Solution: You use the following style:

```
<style>

    div ~ a{

        background-color: yellow;

    }

</style>
```

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 353

DRAG DROP

You create a JavaScript object named processor as shown in the following code.


```
var processor = {  
  displayProcessDone: function () {  
    alert('Process done');  
  },  
  getAsyncData: function (callback) {  
    callback();  
  },  
  render: function () {  
    this.getAsyncData(function () {  
      this.displayProcessDone();  
    }).Target 1(Target 2);  
  }  
};  
  
processor.render();
```

You need to ensure that when the code executes, a dialog box displays the alert 'Process done'.

How should you complete the code? To answer, drag the appropriate code elements to the correct targets. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

• • • • •

Code elements

bind

displayProcessDone

eval

getAsyncData

this

•

•

•

•

•

Answer Area

Target 1:

Target 2:

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Target 1: bind

Target 2: displayProcessDone

NEW QUESTION 357

You have the following CSS markup that renders a red rectangle on a webpage.

```
#element1 {  
    background: red;  
    margin: 50px;  
    padding: 50px;  
    width: 200px;  
    height: 150px;  
    box-sizing: border-box;  
}
```

How large will the red rectangle appear when it renders on the page?

- A. width 200px, height 150 px
- B. width 400px, height 350 px
- C. width 100px, height 50 px
- D. width 300px, height 250 px

Answer: A

Explanation:

References: https://www.w3schools.com/CSSref/css3_pr_box-sizing.asp

NEW QUESTION 362

You are creating a page that uses JavaScript code.

You need to ensure that if a function named function1 throws a RangeError error, a function named function2 executes. For any other type of error, a function name function3 must execute.

Which JavaScript code should you use?

A

```
try {  
    function1();  
}  
catch(e) {  
    if (e instanceof rangeError) {  
        function2();  
    } else {  
        function3();  
    }  
}
```

B

```
try {  
    function1();  
}  
catch (e) {  
    function2();  
}  
finally {  
    if (e instanceof RangeError) {  
        function3();  
    }  
}
```

C

```
try {
    function1();
}
catch (e) {
    function3();
}
finally {
    if (e instanceof RangeError) {
        function2();
    }
}
```

D

```
try {
    function1();
}
catch (e) {
    if (e instanceof RangeError) {
        function3();
    } else {
        function2();
    }
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

NEW QUESTION 365

You have the following markup.

```
<style>
    .flex1 {
        background-color: yellow;
        border:dotted;
    }

    flex2 {
        background-color: red;
        border:dotted;
    }
</style>
<div style="display:flex;background-color:grey;">
    <div class="flex1">
        Flex1
    </div>
    <div class="flex2">
        Flex2
    </div>
</div>
```

You need to ensure that flex1 is displayed on the right of the page. flex2 must be displayed directly to the left of flex1. Which style should you add to the outer div?

- A. flex-direction:column-reverse
- B. flex-direction:row-reverse
- C. flex-direction: row
- D. flex-direction: column

Answer: B

NEW QUESTION 370

HOTSPOT

You have the following markup.

```
<body>
  <form id="personForm">
    First name: <input type="text" name="firstName" value="Ben"><br>
    Last name: <input type="text" name="score" value="Smith"><br>
    Score: <input type="text" name="score" value="10"><br>
  </form>
  <button id="submitPersonForm">Submit Serialized Form</button>
</body>
```

You need to create a single JSON object that directly contains the values from personForm and sends the object to a Web server API. The contents of the JSON object must have the format shown in the following sample.

```
{ "firstName": "Ben", "lastName": "Smith", "score": 10 }
```

How should you complete the JavaScript code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
<script src=http://ajax.aspnetcdn.com/ajax/jquery/jquery-3.2.1.js></script>
```

```
<script>
```

```
$(document).ready(function () {
  $("#submitPersonForm").click(function () {
```

```
    var personFormData =
```

<div>▼</div> <div>\$("#personForm") \$("#submitPersonForm") \$("document") \$("document")</div>	<div>▼</div> <div>.append .clone .serialize .serializeArray</div>	<div>▼</div> <div>("personForm"); (#personForm); 0; (submitPersonForm);</div>
---	---	---

```
    console.log(personFormData);
```

```
    $.post(
```

```
        "/api/person",
```

```
        personFormData,
```

```
        function (responseData) {
```

```
            console.log(responseData);
```

```
        }
```

```
    });
```

```
});
```

```
</script>
```

A. Mastered

B. Not Mastered

Answer: A

Explanation:

var personalFormData = \$("#personForm").serialize(submitPersonForm);

NEW QUESTION 375

.....

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