

Oracle

Exam Questions 1z0-830

Java SE 21 Developer Professional



NEW QUESTION 1

Given a properties file on the classpath named Person.properties with the content: ini
 name=James And:

```
java
public class Person extends ResourceBundle { protected Object[][] getContents() {
return new Object[][]{
{"name", "Jeanne"}
};
}
}
```

```
And: java
public class Test {
public static void main(String[] args) {
ResourceBundle bundle = ResourceBundle.getBundle("Person"); String name = bundle.getString("name"); System.out.println(name);
}
}
```

What is the given program's output?

- A. MissingResourceException
- B. Compilation fails
- C. James
- D. JeanneJames
- E. JamesJeanne
- F. Jeanne

Answer: F

NEW QUESTION 2

Given: java
 var frenchCities = new TreeSet<String>(); frenchCities.add("Paris"); frenchCities.add("Marseille"); frenchCities.add("Lyon"); frenchCities.add("Lille");
 frenchCities.add("Toulouse");
 System.out.println(frenchCities.headSet("Marseille")); What will be printed?

- A. [Paris]
- B. [Paris, Toulouse]
- C. [Lille, Lyon]
- D. Compilation fails
- E. [Lyon, Lille, Toulouse]

Answer: C

NEW QUESTION 3

Given: java
 String s = " "; System.out.print("[" + s.strip()); s = " hello "; System.out.print(", " + s.strip()); s = "h i ";
 System.out.print(", " + s.strip() + "]"); What is printed?

- A. [,hello,h i]
- B. [,hello,h i]
- C. [,hello,hi]
- D. [, hello ,hi]

Answer: B

NEW QUESTION 4

```
Given: java
void verifyNotNull(Object input) { boolean enabled = false;
assert enabled = true; assert enabled;
System.out.println(input.toString()); assert input != null;
}
```

When does the given method throw a NullPointerException?

- A. A NullPointerException is never thrown
- B. Only if assertions are enabled and the input argument is null
- C. Only if assertions are disabled and the input argument is null
- D. Only if assertions are enabled and the input argument isn't null
- E. Only if assertions are disabled and the input argument isn't null

Answer: C

NEW QUESTION 5

Which of the following suggestions compile?(Choose two.)

- A. javasealed class Figure permits Rectangle {} final class Rectangle extends Figure { float length, width;}
- B. javasealed class Figure permits Rectangle {} public class Rectangle extends Figure { float length, width;}
- C. javapublic sealed class Figure permits Circle, Rectangle {}final sealed class Circle extends Figure { float radius;}non-sealed class Rectangle extends Figure { float length, width;}
- D. javapublic sealed class Figurepermits Circle, Rectangle {}final class Circle extends Figure { float radius;}non-sealed class Rectangle extends Figure { float

length, width;}

Answer: AD

NEW QUESTION 6

You are working on a module named `perfumery.shop` that depends on another module named `perfumery.provider`. The `perfumery.shop` module should also make its package `perfumery.shop.eaudeparfum` available to other modules. Which of the following is the correct file to declare the `perfumery.shop` module?

- A. File name: `module-info.perfumery.shop.javajavamodule perfumery.shop { requires perfumery.provider; exports perfumery.shop.eaudeparfum.*; }`
- B. File name: `module-info.javajavamodule perfumery.shop { requires perfumery.provider; exports perfumery.shop.eaudeparfum; }`
- C. File name: `module.javajavamodule shop.perfumery { requires perfumery.provider; exports perfumery.shop.eaudeparfum; }`

Answer: B

NEW QUESTION 7

Consider the following methods to load an implementation of `MyService` using `ServiceLoader`. Which of the methods are correct? (Choose all that apply)

- A. `MyService service = ServiceLoader.load(MyService.class).iterator().next();`
- B. `MyService service = ServiceLoader.load(MyService.class).findFirst().get();`
- C. `MyService service = ServiceLoader.getService(MyService.class);`
- D. `MyService service = ServiceLoader.services(MyService.class).getFirstInstance();`

Answer: AB

NEW QUESTION 8

Given: java
`var counter = 0; do {
System.out.print(counter + " ");
} while (++counter < 3);`
What is printed?

- A. 0 1 2 3
- B. 0 1 2
- C. 1 2 3 4
- D. 1 2 3
- E. An exception is thrown.
- F. Compilation fails.

Answer: B

NEW QUESTION 9

Given: java
`CopyOnWriteArrayList<String> list = new CopyOnWriteArrayList<>(); list.add("A");
list.add("B");
list.add("C");
// Writing in one thread new Thread() -> {
list.add("D"); System.out.println("Element added: D");
}.start();
// Reading in another thread new Thread() -> {
for (String element : list) { System.out.println("Read element: " + element);
}
}.start();`
What is printed?

- A. It prints all elements, including changes made during iteration.
- B. It prints all elements, but changes made during iteration may not be visible.
- C. It throws an exception.
- D. Compilation fails.

Answer: B

NEW QUESTION 10

Given: java
`public class ThisCalls { public ThisCalls() { this(true);
}
public ThisCalls(boolean flag) { this();
}
}`
Which statement is correct?

- A. It does not compile.
- B. It throws an exception at runtime.
- C. It compiles.

Answer: A

NEW QUESTION 10

Given: java
 DoubleSummaryStatistics stats1 = new DoubleSummaryStatistics(); stats1.accept(4.5);
 stats1.accept(6.0);
 DoubleSummaryStatistics stats2 = new DoubleSummaryStatistics(); stats2.accept(3.0);
 stats2.accept(8.5);
 stats1.combine(stats2);
 System.out.println("Sum: " + stats1.getSum() + ", Max: " + stats1.getMax() + ", Avg: " + stats1.getAverage());
 What is printed?

- A. Sum: 22.0, Max: 8.5, Avg: 5.5
- B. Sum: 22.0, Max: 8.5, Avg: 5.0
- C. An exception is thrown at runtime.
- D. Compilation fails.

Answer: A

NEW QUESTION 14

Which StringBuilder variable fails to compile? java
 public class StringBuilderInstantiations {
 public static void main(String[] args) { var stringBuilder1 = new StringBuilder();
 var stringBuilder2 = new StringBuilder(10);
 var stringBuilder3 = new StringBuilder("Java");
 var stringBuilder4 = new StringBuilder(new char[]{'J', 'a', 'v', 'a'});
 }
 }

- A. None of them
- B. stringBuilder4
- C. stringBuilder1
- D. stringBuilder3
- E. stringBuilder2

Answer: B

NEW QUESTION 16

Which of the following is a correct way to write a string to a file?

- A. javaPath path = Paths.get("file.txt"); byte[] strBytes = "Hello".getBytes(); Files.write(path, strBytes);
- B. java try (BufferedWriter writer = new BufferedWriter("file.txt")) { writer.write("Hello");}
- C. java try (FileOutputStream outputStream = new FileOutputStream("file.txt")) { byte[] strBytes = "Hello".getBytes(); outputStream.write(strBytes);}
- D. java try (PrintWriter printWriter = new PrintWriter("file.txt")) { printWriter.printf("Hello %s", "James");}
- E. None of the suggestions
- F. java try (FileWriter writer = new FileWriter("file.txt")) { writer.write("Hello");}

Answer: B

NEW QUESTION 21

Given: java
 Object input = 42;
 String result = switch (input) {
 case String s -> "It's a string with value: " + s; case Double d -> "It's a double with value: " + d; case Integer i -> "It's an integer with value: " + i;
 };
 System.out.println(result); What is printed?

- A. null
- B. It's a string with value: 42
- C. It's a double with value: 42
- D. It's an integer with value: 42
- E. It throws an exception at runtime.
- F. Compilation fails.

Answer: F

NEW QUESTION 24

Given: java
 package com.vv;
 import java.time.LocalDate; public class FetchService {
 public static void main(String[] args) throws Exception { FetchService service = new FetchService();
 String ack = service.fetch(); LocalDate date = service.fetch();
 System.out.println(ack + " the " + date.toString());
 }
 public String fetch() { return "ok";
 }
 public LocalDate fetch() { return LocalDate.now();
 }
 }

What will be the output?

- A. ok the 2024-07-10T07:17:45.523939600
- B. Compilation fails
- C. An exception is thrown
- D. ok the 2024-07-10

Answer: B

NEW QUESTION 28

Given: java

```
Integer frenchRevolution = 1789; Object o1 = new String("1789"); Object o2 = frenchRevolution; frenchRevolution = null; Object o3 = o2.toString(); System.out.println(o1.equals(o3)); What is printed?
```

- A. true
- B. false
- C. A NullPointerException is thrown.
- D. A ClassCastException is thrown.
- E. Compilation fails.

Answer: A

NEW QUESTION 30

Given: java

```
List<String> l1 = new ArrayList<>(List.of("a", "b")); List<String> l2 = new ArrayList<>(Collections.singletonList("c")); Collections.copy(l1, l2); l2.set(0, "d"); System.out.println(l1); What is the output of the given code fragment?
```

- A. [a, b]
- B. [d, b]
- C. [c, b]
- D. An UnsupportedOperationException is thrown
- E. An IndexOutOfBoundsException is thrown
- F. [d]

Answer: C

NEW QUESTION 31

Given: java

```
Optional o1 = Optional.empty(); Optional o2 = Optional.of(1); Optional o3 = Stream.of(o1, o2).filter(Optional::isPresent).findAny().flatMap(o -> o); System.out.println(o3.orElse(2)); What is the given code fragment's output?
```

- A. 1
- B. 2
- C. Optional.empty
- D. An exception is thrown
- E. Optional[1]
- F. Compilation fails

Answer: A

NEW QUESTION 35

Given: java

```
public class SpecialAddition extends Addition implements Special { public static void main(String[] args) { System.out.println(new SpecialAddition().add()); } int add() { return --foo + bar--; } } class Addition { int foo = 1; } interface Special { int bar = 1; }
```

What is printed?

- A. 1
- B. 2
- C. It throws an exception at runtime.
- D. Compilation fails.

Answer: E

NEW QUESTION 38

Given: java

```
DoubleStream doubleStream = DoubleStream.of(3.3, 4, 5.25, 6.66); Predicate<Double> doublePredicate = d -> d < 5;
```

System.out.println(doubleStream.anyMatch(doublePredicate)); What is printed?

- A. Compilation fails
- B. true
- C. false
- D. An exception is thrown at runtime
- E. 3.3

Answer: A

NEW QUESTION 40

Given: java

```
var array1 = new String[]{ "foo", "bar", "buz" };  
var array2[] = { "foo", "bar", "buz" };  
var array3 = new String[3] { "foo", "bar", "buz" };  
var array4 = { "foo", "bar", "buz" };  
String array5[] = new String[]{ "foo", "bar", "buz" }; Which arrays compile? (Select 2)
```

- A. array1
- B. array2
- C. array3
- D. array4
- E. array5

Answer: AE

NEW QUESTION 44

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