



Snowflake

Exam Questions DEA-C01

SnowPro Advanced: Data Engineer Certification Exam

NEW QUESTION 1

What is a characteristic of the use of binding variables in JavaScript stored procedures in Snowflake?

- A. All types of JavaScript variables can be bound
- B. All Snowflake first-class objects can be bound
- C. Only JavaScript variables of type number, string and sf Date can be bound
- D. Users are restricted from binding JavaScript variables because they create SQL injection attack vulnerabilities

Answer: C

Explanation:

A characteristic of the use of binding variables in JavaScript stored procedures in Snowflake is that only JavaScript variables of type number, string and sf Date can be bound. Binding variables are a way to pass values from JavaScript variables to SQL statements within a stored procedure. Binding variables can improve the security and performance of the stored procedure by preventing SQL injection attacks and reducing the parsing overhead. However, not all types of JavaScript variables can be bound. Only the primitive types number and string, and the Snowflake-specific type sf Date, can be bound. The other options are incorrect because they do not describe a characteristic of the use of binding variables in JavaScript stored procedures in Snowflake. Option A is incorrect because authenticator is not a type of JavaScript variable, but a parameter of the snowflake.connector.connect function. Option B is incorrect because arrow_number_to_decimal is not a type of JavaScript variable, but a parameter of the snowflake.connector.connect function. Option D is incorrect because users are not restricted from binding JavaScript variables, but encouraged to do so.

NEW QUESTION 2

A Data Engineer is building a pipeline to transform a 1 TB table by joining it with supplemental tables. The Engineer is applying filters and several aggregations leveraging Common Table Expressions (CTEs) using a size Medium virtual warehouse in a single query in Snowflake. After checking the Query Profile, what is the recommended approach to MAXIMIZE performance of this query if the Profile shows data spillage?

- A. Enable clustering on the table
- B. Increase the warehouse size
- C. Rewrite the query to remove the CTEs.
- D. Switch to a multi-cluster virtual warehouse

Answer: B

Explanation:

The recommended approach to maximize performance of this query if the Profile shows data spillage is to increase the warehouse size. Data spillage occurs when the query requires more memory than the warehouse can provide and has to spill some intermediate results to disk. This can degrade the query performance by increasing the disk IO time. Increasing the warehouse size can increase the amount of memory available for the query and reduce or eliminate data spillage.

NEW QUESTION 3

A company is using Snowpipe to bring in millions of rows every day of Change Data Capture (CDC) into a Snowflake staging table on a real-time basis. The CDC needs to get processed and combined with other data in Snowflake and land in a final table as part of the full data pipeline. How can a Data engineer MOST efficiently process the incoming CDC on an ongoing basis?

- A. Create a stream on the staging table and schedule a task that transforms data from the stream only when the stream has data.
- B. Transform the data during the data load with Snowpipe by modifying the related copy into statement to include transformation steps such as case statements and JOIN'S.
- C. Schedule a task that dynamically retrieves the last time the task was run from information_schema-task_history and use that timestamp to process the delta of the new rows since the last time the task was run.
- D. Use a create or replace table as statement that references the staging table and includes all the transformation SQL
- E. Use a task to run the full create or replace table as statement on a scheduled basis

Answer: A

Explanation:

The most efficient way to process the incoming CDC on an ongoing basis is to create a stream on the staging table and schedule a task that transforms data from the stream only when the stream has data. A stream is a Snowflake object that records changes made to a table, such as inserts, updates, or deletes. A stream can be queried like a table and can provide information about what rows have changed since the last time the stream was consumed. A task is a Snowflake object that can execute SQL statements on a schedule without requiring a warehouse. A task can be configured to run only when certain conditions are met, such as when a stream has data or when another task has completed successfully. By creating a stream on the staging table and scheduling a task that transforms data from the stream, the Data Engineer can ensure that only new or modified rows are processed and that no unnecessary computations are performed.

NEW QUESTION 4

Database XYZ has the data_retention_time_in_days parameter set to 7 days and table xyz.public.ABC has the data_retention_time_in_days set to 10 days. A Developer accidentally dropped the database containing this single table 8 days ago and just discovered the mistake. How can the table be recovered?

- A. undrop database xyz;
- B. create table abc_restore as select * from xyz.public.abc at (offset => -60*60*24*8);
- C. create table abc_restore clone xyz.public.abc at (offset => -3*60*24*3);
- D. Create a Snowflake Support case to restore the database and table from "a i-safe

Answer: A

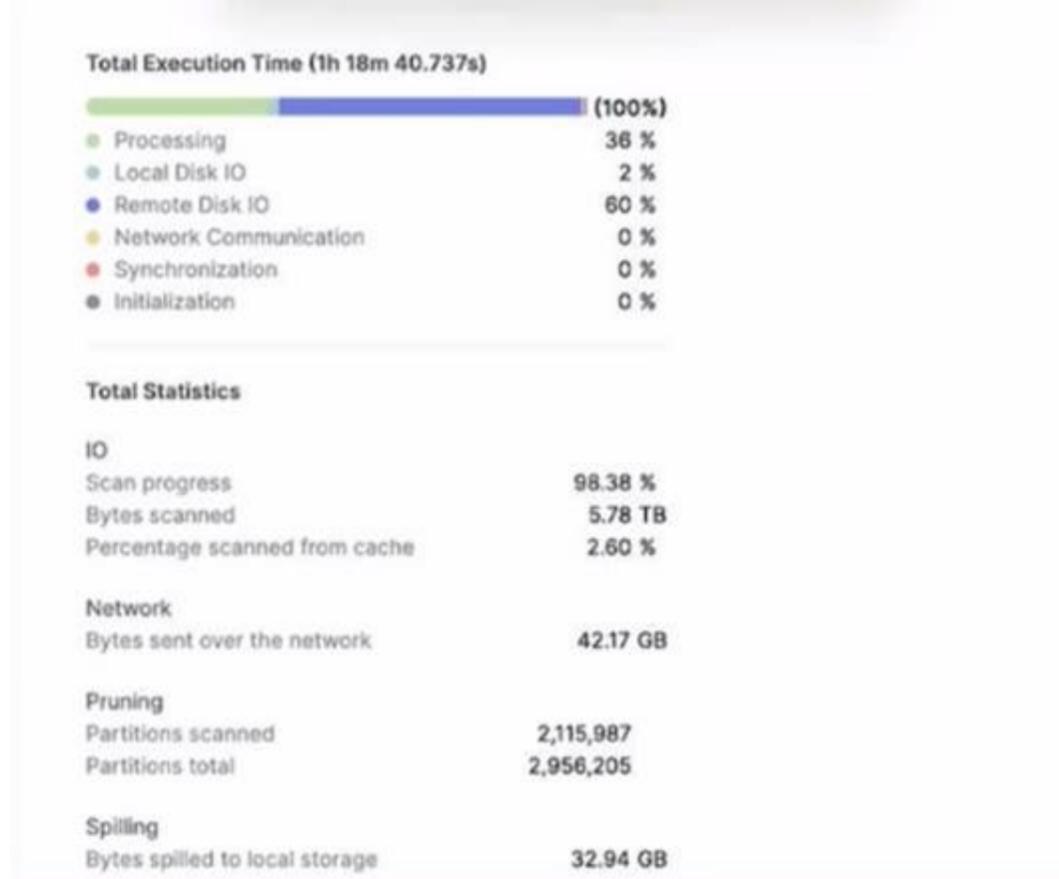
Explanation:

The table can be recovered by using the undrop database xyz; command. This command will restore the database that was dropped within the last 14 days, along with all its schemas and tables, including the customer table. The data_retention_time_in_days parameter does not affect this command, as it only applies to time travel queries that reference historical data versions of tables or databases. The other options are not valid ways to recover the table. Option B is incorrect because creating a table as select * from xyz.public.ABC at (offset => -6060248) will not work, as this query will try to access a historical data version of the ABC

table that does not exist anymore after dropping the database. Option C is incorrect because creating a table clone xyz.public.ABC at {offset => -360024*3} will not work, as this query will try to clone a historical data version of the ABC table that does not exist anymore after dropping the database. Option D is incorrect because creating a Snowflake Support case to restore the database and table from fail-safe will not work, as fail-safe is only available for disaster recovery scenarios and cannot be accessed by customers.

NEW QUESTION 5

A large table with 200 columns contains two years of historical data. When queried, the table is filtered on a single day Below is the Query Profile:



Using a size 2XL virtual warehouse, this query took over an hour to complete. What will improve the query performance the MOST?

- A. increase the size of the virtual warehouse.
- B. Increase the number of clusters in the virtual warehouse
- C. Implement the search optimization service on the table
- D. Add a date column as a cluster key on the table

Answer: D

Explanation:

Adding a date column as a cluster key on the table will improve the query performance by reducing the number of micro-partitions that need to be scanned. Since the table is filtered on a single day, clustering by date will make the query more selective and efficient.

NEW QUESTION 6

The following is returned from SYSTEMCLUSTERING_INFORMATION () for a table named orders with a date column named O_ORDERDATE:

```
{
  "cluster_by_keys" : "LINEAR(YEAR(O_ORDERDATE))",
  "total_partition_count" : 536,
  "total_constant_partition_count" : 493,
  "average_overlaps" : 0.1716,
  "average_depth" : 1.0914,
  "partition_depth_histogram" : {
    "00000" : 0,
    "00001" : 491,
    "00002" : 41,
    "00003" : 4,
    "00004" : 0,
    "00005" : 0,
    "00006" : 0,
    "00007" : 0,
    "00008" : 0,
    "00009" : 0,
    "00010" : 0,
    "00011" : 0,
    "00012" : 0,
    "00013" : 0,
    "00014" : 0,
    "00015" : 0,
    "00016" : 0
  }
}
```

What does the total_constant_partition_count value indicate about this table?

- A. The table is clustered very well on _ORDERDATE, as there are 493 micro-partitions that could not be significantly improved by reclustering
- B. The table is not clustered well on O_ORDERDATE, as there are 493 micro-partitions where the range of values in that column overlap with every other micro-partition in the table.
- C. The data in O_ORDERDATE does not change very often as there are 493 micro-partitions containing rows where that column has not been modified since the row was created
- D. The data in O_ORDERDATE has a very low cardinality as there are 493 micro-partitions where there is only a single distinct value in that column for all rows in the micro-partition

Answer: B

Explanation:

The total_constant_partition_count value indicates the number of micro-partitions where the clustering key column has a constant value across all rows in the micro-partition. However, this does not necessarily mean that the table is clustered well on that column, as there could be other micro-partitions where the range of values in that column overlap with each other. This is the case for the orders table, as the clustering depth is 1, which means that every micro-partition overlaps with every other micro-partition on O_ORDERDATE. This indicates that the table is not clustered well on O_ORDERDATE and could benefit from reclustering.

NEW QUESTION 7

A CSV file around 1 TB in size is generated daily on an on-premise server A corresponding table. Internal stage, and file format have already been created in Snowflake to facilitate the data loading process

How can the process of bringing the CSV file into Snowflake be automated using the LEAST amount of operational overhead?

- A. Create a task in Snowflake that executes once a day and runs a copy into statement that references the internal stage The internal stage will read the files directly from the on-premise server and copy the newest file into the table from the on-premise server to the Snowflake table
- B. On the on-premise server schedule a SQL file to run using SnowSQL that executes a PUT to push a specific file to the internal stage Create a task that executes once a day in Snowflake and runs a COPY INTO statement that references the internal stage Schedule the task to start after the file lands in the internal stage
- C. On the on-premise server schedule a SQL file to run using SnowSQL that executes a PUT to push a specific file to the internal stage
- D. Create a pipe that runs a copy into statement that references the internal stage Snowpipe auto-ingest will automatically load the file from the internal stage when the new file lands in the internal stage.
- E. On the on-premise server schedule a Python file that uses the Snowpark Python library. The Python script will read the CSV data into a DataFrame and generate an insert into statement that will directly load into the table The script will bypass the need to move a file into an internal stage

Answer: C

Explanation:

This option is the best way to automate the process of bringing the CSV file into Snowflake with the least amount of operational overhead. SnowSQL is a command-line tool that can be used to execute SQL statements and scripts on Snowflake. By scheduling a SQL file that executes a PUT command, the CSV file can be pushed from the on-premise server to the internal stage in Snowflake. Then, by creating a pipe that runs a COPY INTO statement that references the internal stage, Snowpipe can automatically load the file from the internal stage into the table when it detects a new file in the stage. This way, there is no need to manually start or monitor a virtual warehouse or task.

NEW QUESTION 8

The following code is executed in a Snowflake environment with the default settings:

```

CREATE TABLE customer;

BEGIN TRANSACTION;

CREATE TABLE customer
  (id INTEGER,
  name VARCHAR);

INSERT INTO customer values ('1', 'John');

COMMIT;

SELECT $1 FROM customer;

```

What will be the result of the select statement?

- A. SQL compilation error object 'CUSTOMER' does not exist or is not authorized.
- B. John
- C. 1
- D. 1John

Answer: C

NEW QUESTION 9

A company built a sales reporting system with Python, connecting to Snowflake using the Python Connector. Based on the user's selections, the system generates the SQL queries needed to fetch the data for the report First it gets the customers that meet the given query parameters (on average 1000 customer records for each report run) and then it loops the customer records sequentially Inside that loop it runs the generated SQL clause for the current customer to get the detailed

data for that customer number from the sales data table

When the Data Engineer tested the individual SQL clauses they were fast enough (1 second to get the customers 0 5 second to get the sales data for one customer) but the total runtime of the report is too long

How can this situation be improved?

- A. Increase the size of the virtual warehouse
- B. Increase the number of maximum clusters of the virtual warehouse
- C. Define a clustering key for the sales data table
- D. Rewrite the report to eliminate the use of the loop construct

Answer: D

Explanation:

This option is the best way to improve the situation, as using a loop construct to run SQL queries for each customer is very inefficient and slow. Instead, the report should be rewritten to use a single SQL query that joins the customer and sales data tables and applies the query parameters as filters. This way, the report can leverage Snowflake's parallel processing and optimization capabilities and reduce the network overhead and latency.

NEW QUESTION 10

The JSON below is stored in a variant column named v in a table named jCustRaw:

```

id": "6282638561cf48544e2ef7e9",
company": "FLYBOYZ",
isActive": true,
name": "Dean Head",
teamMembers": [
  {
    "age": 29,
    "eyeColor": "green",
    "name": "Dominique Grimes",
    "registered": "2017-02-19T06:12:36 +06:00"
  },
  {
    "age": 39,
    "eyeColor": "green",
    "name": "Pearl Dunlap",
    "registered": "2018-05-12T09:21:42 +05:00"
  },
  {
    "age": 22,
    "eyeColor": "blue",
    "name": "Cardenas Warren",
    "registered": "2019-04-08T01:24:29 +05:00"
  }
]
}

```

Which query will return one row per team member (stored in the teamMembers array) along all of the attributes of each team member?

A)

```

select
  t2.name AS memberName
  ,t2.registered AS registeredDttm
  ,t2.age AS age
  ,t2.eyeColor AS eyeColor
from jCustRaw t1
  lateral flatten(v) t2
se

```

```

lect      Name
      t2.value:name::varchar AS memberName
      ,t2.value:registered::timestamp AS
      registeredDttm
      ,t2.value:age::number AS age
      ,t2.value:eyeColor::varchar AS eyeColor
fr
,1om jCustRaw t1
__ateral flatten(input

```

C)

```

select
  v:teamMembers.name::varchar AS memberName
  ,v:teamMembers.registered::timestamp AS
  registeredDttm
  ,v:teamMembers.age::number AS age
  ,v:teamMembers.eyeColor::varchar AS eyeColor
from jCustRaw;

```

D)

```

select
  v:teamMembers[0].name::varchar AS memberName
  ,v:teamMembers[0].registered::timestamp AS registeredDttm
  ,v:teamMembers[0].age::number AS age
  ,v:teamMembers[0].eyeColor::varchar AS eyeColor
from jCustRaw;

```

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

Answer: B

NEW QUESTION 10

Given the table sales which has a clustering key of column CLOSED_DATE which table function will return the average clustering depth for the SALES_REPRESENTATIVE column for the North American region?

A)

```

select system$clustering_information('Sales', 'sales_representative', 'region = 'North America');
select system$clustering_depth('Sales', 'sales_representative', 'region = 'North America');

```

C)

```

select system$clustering_depth('Sales', 'sales_representative') where region = 'North America';

```

D)

```

select system$clustering_information('Sales', 'sales_representative') where region = 'North America';

```

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

Answer: B

Explanation:

The table function SYSTEM\$CLUSTERING_DEPTH returns the average clustering depth for a specified column or set of columns in a table. The function takes two arguments: the table name and the column name(s). In this case, the table name is sales and the column name is SALES_REPRESENTATIVE. The function also supports a WHERE clause to filter the rows for which the clustering depth is calculated. In this case, the WHERE clause is REGION = 'North America'. Therefore, the function call in Option B will return the desired result.

NEW QUESTION 12

Assuming a Data Engineer has all appropriate privileges and context which statements would be used to assess whether the User-Defined Function (UDF), MTBATA3ASZ.SALES.REVENUE_BY_REGION, exists and is secure? (Select TWO)

- A. SHOW DS2R FUNCTIONS LIKE 'REVENUE_BY_REGION' IN SCHEMA SALES;
- B. SELECT IS_SECURE FROM SNOWFLAK
- C. INFCRXATION_SCKZM
- D. FUNCTIONS WHERE FUNCTION_SCHEMA = 'SALES' AND FUNCTION_NAME = 'REVENUE_BY_REGION';
- E. SELECT IS_SECURE FROM INFORMATION_SCHEMA
- F. FUNCTIONS WHERE FUNCTION_SCHEMA = 'SALES' AND FUNCTION_NAME = 'REVENUE_BY_REGION';
- G. SHOW EXTERNAL FUNCTIONS LIKE 'REVENUE_BY_REGION' IN SCHEMA SALES;
- H. SHOW SECURE FUNCTIONS LIKE 'REVENUE_BY_REGION' IN SCHEMA SALES;

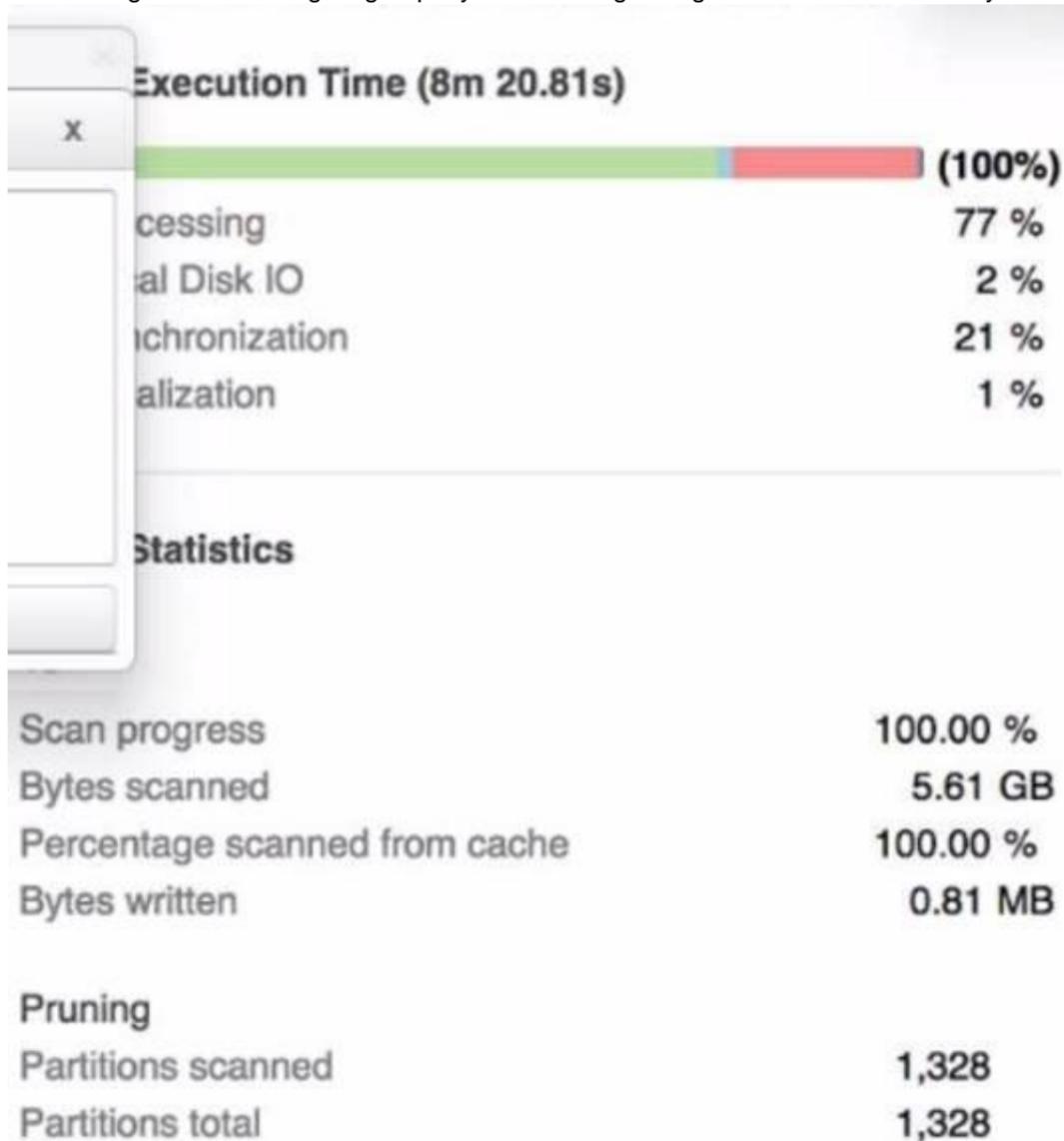
Answer: AB

Explanation:

The statements that would be used to assess whether the UDF, MTBATA3ASZ. SALES .REVENUE_BY_REGION, exists and is secure are:
 ? SHOW DS2R FUNCTIONS LIKE 'REVEX'^BYJIESION' IN SCHEMA SALES;;
 This statement will show information about the UDF, including its name, schema, database, arguments, return type, language, and security option. If the UDF does not exist, the statement will return an empty result set.
 ? SELECT IS_SECURE FROM SNOWFLAKE. INFCRXATION_SCKZMA. FUNCTIONS WHERE FUNCTION_3SCHEMA = 'SALES' AND FUNCTI CN_NAXE = 'REVENUE_BY_REGION';
 This statement will query the SNOWFLAKE.INFORMATION_SCHEMA.FUNCTIONS view, which contains metadata about the UDFs in the current database. The statement will return the IS_SECURE column, which indicates whether the UDF is secure or not. If the UDF does not exist, the statement will return an empty result set. The other statements are not correct because:
 ? SELECT IS_SECURE FROM INFORMATION_SCHEMA.FUNCTIONS WHERE FUNCTION_SCHEMA = 'SALES1 AND FUNGTZON_NAME = 'REVENUE_BY_REGION';
 This statement will query the INFORMATION_SCHEMA.FUNCTIONS view, which contains metadata about the UDFs in the current schema. However, the statement has a typo in the schema name ('SALES1' instead of 'SALES'), which will cause it to fail or return incorrect results.
 ? SHOW EXTERNAL FUNCTIONS LIKE 'REVENUE_BY_REGION' IN SCHEMA SALES;;
 This statement will show information about external functions, not UDFs. External functions are Snowflake functions that invoke external services via HTTPS requests and responses. The statement will not return any results for the UDF.
 ? SHOW SECURE FUNCTIONS LIKE 'REVENUE 3Y REGION' IN SCHEMA SALES;;
 This statement is invalid because there is no such thing as secure functions in Snowflake. Secure functions are a feature of some other databases, such as PostgreSQL, but not Snowflake. The statement will cause a syntax error.

NEW QUESTION 15

A Data Engineer is investigating a query that is taking a long time to return The Query Profile shows the following:



What step should the Engineer take to increase the query performance?

- A. Add additional virtual warehouses.
- B. increase the size of the virtual warehouse.
- C. Rewrite the query using Common Table Expressions (CTEs)
- D. Change the order of the joins and start with smaller tables first

Answer: B

Explanation:

The step that the Engineer should take to increase the query performance is to increase the size of the virtual warehouse. The Query Profile shows that most of the time was spent on local disk IO, which indicates that the query was reading a lot of data from disk rather than from cache. This could be due to a large amount of data being scanned or a low cache hit ratio. Increasing the size of the virtual warehouse will increase the amount of memory and cache available for the query, which could reduce the disk IO time and improve the query performance. The other options are not likely to increase the query performance significantly. Option A, adding additional virtual warehouses, will not help unless they are used in a multi-cluster warehouse configuration or for concurrent queries. Option C, rewriting the query using Common Table Expressions (CTEs), will not affect the amount of data scanned or cached by the query. Option D, changing the order of the joins and starting with smaller tables first, will not reduce the disk IO time unless it also reduces the amount of data scanned or cached by the query.

NEW QUESTION 16

A Data Engineer is trying to load the following rows from a CSV file into a table in Snowflake with the following structure:

```

MERID, ADDRESS, REGISTERDT
30 Ford Walk, Dante, Rhode Island, 366",2014-02-08
14 Monroe Street, Kersey, Nevada, 6384",2021-04-19
33 Gate Ave, Edgewater, New York, 1757",2020-07-03

```

	type
MERID	NUMBER(38,0)
SS	VARCHAR(255)
ERDT	DATE

...engineer is using the following COPY INTO statement:

```

copy into stgCustomer
from @csv_stage/address.csv.gz
file_format = (type = CSV skip_header = 1);

```

However, the following error is received.

```

Number of columns in file (6) does not match that of the corresponding table (3). use file format option
error_on_column_count_mismatch=false to ignore this error File 'address.csv.gz', line 3, character 1 Row 1 starts at line 2, column
"STGCUSTOMER"(6) If you would like to continue loading when an error is encountered, use other values such as 'SKIP_FILE' or
'CONTINUE' for the ON_ERROR option.

```

Which file format option should be used to resolve the error and successfully load all the data into the table?

- A. ESC&PE_UNENGL09ED_FIELD = '\\'
- B. ERROR_ON_COLUMN_COUKT_MISMATCH = FALSE
- C. FIELD_DELIMITER = ","
- D. FIELD_OPTIONALLY_ENCLOSED_BY = " "

Answer: D

Explanation:

The file format option that should be used to resolve the error and successfully load all the data into the table is FIELD_OPTIONALLY_ENCLOSED_BY = "". This option specifies that fields in the file may be enclosed by double quotes, which allows for fields that contain commas or newlines within them. For example, in row 3 of the file, there is a field that contains a comma within double quotes: "Smith Jr., John". Without specifying this option, Snowflake will treat this field as two separate fields and cause an error due to column count mismatch. By specifying this option, Snowflake will treat this field as one field and load it correctly into the table.

NEW QUESTION 17

How can the following relational data be transformed into semi-structured data using the LEAST amount of operational overhead?

```

create table provinces (province varchar, created_date date);

```

Row	PROVINCE	CREATED_DATE
2	Alberta	2020-01-19
1	Manitoba	2020-01-18

- A. Use the to_json function
- B. Use the PAESE_JSON function to produce a variant value
- C. Use the OBJECT_CONSTRUCT function to return a Snowflake object
- D. Use the TO_VARIANT function to convert each of the relational columns to VARIANT.

Answer: C

Explanation:

This option is the best way to transform relational data into semi-structured data using the least amount of operational overhead. The OBJECT_CONSTRUCT function takes a variable number of key-value pairs as arguments and returns a Snowflake object, which is a variant type that can store JSON data. The function can be used to convert each row of relational data into a JSON object with the column names as keys and the column values as values.

NEW QUESTION 18

Which output is provided by both theSYSTEM\$CLUSTERING_DEPTHfunction and theSYSTEM\$CLUSTERING_INFORMATIONfunction?

- A. average_depth
- B. notes
- C. average_overlaps
- D. total_partition_count

Answer: A

Explanation:

The output that is provided by both the SYSTEM\$CLUSTERING_DEPTH function and the SYSTEM\$CLUSTERING_INFORMATION function is average_depth. This output indicates the average number of micro-partitions that contain data for a given column value or combination of column values. The other outputs are not common to both functions. The notes output is only provided by the SYSTEM\$CLUSTERING_INFORMATION function and it contains additional information or recommendations about the clustering status of the table. The average_overlaps output is only provided by the SYSTEM\$CLUSTERING_DEPTH function and it indicates the average number of micro-partitions that overlap with other micro-partitions for a given column value or combination of column values. The

total_partition_count output is only provided by the SYSTEM\$CLUSTERING_INFORMATION function and it indicates the total number of micro-partitions in the table.

NEW QUESTION 21

Which functions will compute a 'fingerprint' over an entire table, query result, or window to quickly detect changes to table contents or query results? (Select TWO).

- A. HASH (*)
- B. HASH_AGG(*)
- C. HASH_AGG(<expr>, <expr>)
- D. HASH_AGG_COMPARE (*)
- E. HASH_COMPARE(*)

Answer: BC

Explanation:

The functions that will compute a 'fingerprint' over an entire table, query result, or window to quickly detect changes to table contents or query results are:

? HASH_AGG(*): This function computes a hash value over all columns and rows in a table, query result, or window. The function returns a single value for each group defined by a GROUP BY clause, or a single value for the entire input if no GROUP BY clause is specified.

? HASH_AGG(<expr>, <expr>): This function computes a hash value over two expressions in a table, query result, or window. The function returns a single value for each group defined by a GROUP BY clause, or a single value for the entire input if no GROUP BY clause is specified. The other functions are not correct because:

? HASH (*): This function computes a hash value over all columns in a single row. The function returns one value per row, not one value per table, query result, or window.

? HASH_AGG_COMPARE (): This function compares two hash values computed by HASH_AGG() over two tables or query results and returns true if they are equal or false if they are different. The function does not compute a hash value itself, but rather compares two existing hash values.

? HASH_COMPARE(): This function compares two hash values computed by HASH() over two rows and returns true if they are equal or false if they are different. The function does not compute a hash value itself, but rather compares two existing hash values.

NEW QUESTION 26

A Data Engineer needs to know the details regarding the micro-partition layout for a table named invoice using a built-in function. Which query will provide this information?

- A. SELECT SYSTEM\$CLUSTERING_INFORMATION('Invoice');
- B. SELECT \$CLUSTERING_INFORMATION('Invoice');
- C. CALL SYSTEM\$CLUSTERING_INFORMATION('Invoice');
- D. CALL \$CLUSTERING_INFORMATION('Invoice');

Answer: A

Explanation:

The query that will provide information about the micro-partition layout for a table named invoice using a built-in function is SELECT SYSTEM\$CLUSTERING_INFORMATION('Invoice');. The

SYSTEM\$CLUSTERING_INFORMATION function returns information about the clustering status of a table, such as the clustering key, the clustering depth, the clustering ratio, the partition count, etc. The function takes one argument: the table name in a qualified or unqualified form. In this case, the table name is Invoice and it is unqualified, which means that it will use the current database and schema as the context. The other options are incorrect because they do not use a valid built-in function for providing information about the micro-partition layout for a table. Option B is incorrect because it uses \$CLUSTERING_INFORMATION instead of SYSTEM\$CLUSTERING_INFORMATION, which is not a valid function name. Option C is incorrect because it uses CALL instead of SELECT, which is not a valid way to invoke a table function. Option D is incorrect because it uses CALL instead of SELECT and \$CLUSTERING_INFORMATION instead of SYSTEM\$CLUSTERING_INFORMATION, which are both invalid.

NEW QUESTION 31

At what isolation level are Snowflake streams?

- A. Snapshot
- B. Repeatable read
- C. Read committed
- D. Read uncommitted

Answer: B

Explanation:

The isolation level of Snowflake streams is repeatable read, which means that each transaction sees a consistent snapshot of data that does not change during its execution. Streams use time travel internally to provide this isolation level and ensure that queries on streams return consistent results regardless of concurrent transactions on their source tables.

NEW QUESTION 36

A Data Engineer is writing a Python script using the Snowflake Connector for Python. The Engineer will use the snowflake.connector.connect function to connect to Snowflake. The requirements are:

- *Raise an exception if the specified database schema or warehouse does not exist
- *improve download performance

Which parameters of the connect function should be used? (Select TWO).

- A. authenticator
- B. arrow_number_to_decimal
- C. client_prefetch_threads

- D. client_session_keep_alive
- E. validate_default_parameters

Answer: CE

Explanation:

The parameters of the connect function that should be used are client_prefetch_threads and validate_default_parameters. The client_prefetch_threads parameter controls the number of threads used to download query results from Snowflake. Increasing this parameter can improve download performance by parallelizing the download process. The validate_default_parameters parameter controls whether an exception should be raised if the specified database, schema, or warehouse does not exist or is not authorized. Setting this parameter to True can help catch errors early and avoid unexpected results.

NEW QUESTION 40

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