

Quiz 2025 DAA-C01: Fantastic SnowPro Advanced: Data Analyst Certification Exam Exam Materials



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Studying for attending SnowPro Advanced: Data Analyst Certification Exam exam pays attention to the method. The good method often can bring the result with half the effort, therefore we in the examination time, and also should know some test-taking skill. The DAA-C01 quiz guide on the basis of summarizing the past years, found that many of the questions, the answers have certain rules can be found, either subjective or objective questions, we can find in the corresponding module of similar things in common. To this end, the SnowPro Advanced: Data Analyst Certification Exam exam dumps have summarized some types of questions in the qualification examination, so that users will not be confused when they take part in the exam, to have no emphatic answers. It can be said that the template of these questions can be completely applied. The user only needs to write out the routine and step points of the DAA-C01 test material, so that we can get good results in the exams.

Snowflake SnowPro Advanced: Data Analyst Certification Exam Sample Questions (Q45-Q50):

NEW QUESTION # 45

You have a Snowflake table named 'CUSTOMER DATA' with a VARIANT column called 'PROFILE'. This 'PROFILE' column contains nested JSON objects with customer attributes. You need to extract the customer's first name from the 'PROFILE' and handle cases where the 'firstName' field might be missing (NULL). Which of the following methods is the most efficient and concise way to achieve this?

- A.

```
'''sql SELECT GET_PATH(PROFILE, 'firstName') FROM CUSTOMER_DATA; '''
```

- B.

- C.

```
'''sql SELECT PROFILE:firstName::TEXT FROM CUSTOMER_DATA; '''
```
- D.

```
'''sql SELECT NVL(PROFILE:firstName,'Unknown') FROM CUSTOMER_DATA; '''
```
- E.

```
'''sql SELECT PROFILE['firstName'] FROM CUSTOMER_DATA; '''
```

Answer: B

Explanation:

Option E is the most efficient and concise. 'PROFILE:firstName' directly accesses the field, casts it to a string and 'IFNULL' handles the potential NULL values, replacing them with 'Unknown'. Options A and C might return NULL if the field is missing. Option B is less efficient than direct path access. While option D works, casting to string is essential to ensure the correct datatype and to avoid any unexpected behaviors, making option E the ideal answer.

NEW QUESTION # 46

A data pipeline is failing intermittently, with the error logs indicating 'Insufficient compute resources'. You are tasked with collecting data to diagnose the root cause. What combination of Snowflake features and data collection strategies would be MOST effective in identifying if warehouse auto-scaling or query performance is the primary contributor to the issue?

- A. Monitor the Snowflake warehouse resource monitor metrics (e.g., QUEUED LOAD BYTES, EXECUTION TIME) using the Snowflake web interface or view, focusing on periods coinciding with pipeline failures.
- B. Create a new, larger warehouse and migrate the pipeline to it without analyzing the current warehouse's performance.
- C. Increase the warehouse size significantly and observe if the pipeline failures cease.
- D. Analyze the average query execution time for all queries run by the pipeline using the QUERY_HISTORY view and compare it to the warehouse's average execution time. Additionally, check for queries spilling to local disk (using WAREHOUSE LOAD) during failure periods.
- E. Collect only error logs generated by the data pipeline to understand underlying problem.

Answer: A,D

Explanation:

Options A and C provide a targeted approach. A allows tracking warehouse resource usage during the pipeline failures, identifying if the warehouse is reaching its limits. C helps identify slow-running queries contributing to resource exhaustion and detects queries using excessive local disk, indicating potential optimization opportunities. Increasing the warehouse size without analysis (B & D) is not cost-effective. Collecting only error logs (E) is not sufficient for a comprehensive diagnostic approach. It is too narrow and may not expose warehouse load issues and bottlenecks.

NEW QUESTION # 47

You are designing a data warehouse for a retail company. The 'SALES' table stores transaction data and includes columns like 'TRANSACTION ID', 'PRODUCT ID', 'CUSTOMER ID', 'SALE DATE', and 'SALE AMOUNT'. The 'PRODUCT ID' references the 'PRODUCTS' table, and 'CUSTOMER' references the 'CUSTOMERS' table. Which of the following strategies represent the MOST optimal approach to define primary keys in this scenario, considering Snowflake's best practices and the need for efficient query performance, assuming 'TRANSACTION ID' is globally unique?

- A. Define a composite primary key on the 'SALES' table consisting of 'TRANSACTION ID', 'PRODUCT ID', and 'CUSTOMER ID'. Define 'PRODUCT ID' as the primary key on the 'PRODUCTS' table, and 'CUSTOMER_ID' as the primary key on the 'CUSTOMERS' table.
- B. Define 'TRANSACTION ID' as the primary key on the 'SALES' table, 'PRODUCT ID' as the primary key on the 'PRODUCTS' table, and 'CUSTOMER ID' as the primary key on the 'CUSTOMERS' table.
- C. Do not define primary keys on any of the tables. Rely solely on Snowflake's internal optimizations.
- D. Define 'TRANSACTION ID' as the primary key on the 'SALES' table. Do not define primary keys on 'PRODUCTS' or 'CUSTOMERS'.
- E. Define 'TRANSACTION_ID' as the primary key on the 'SALES' table. Define 'PRODUCT_ID' as the primary key on the 'PRODUCTS' table, and 'CUSTOMER ID' as the primary key on the 'CUSTOMERS' table. Then, create unique indexes on 'PRODUCT ID' in 'SALES' referencing 'PRODUCTS' and in referencing 'CUSTOMERS'.

Answer: B

Explanation:

While Snowflake does not enforce primary key constraints, defining them provides valuable metadata for the query optimizer. Since

TRANSACTION_ID' is unique in 'SALES', it is a suitable primary key. Defining primary keys on 'PRODUCTS' and 'CUSTOMERS' is also appropriate for their respective tables. Creating unique indexes is redundant if primary keys are defined. Skipping primary key definitions entirely can hinder optimization. A composite key in 'SALES' is unnecessary as 'TRANSACTION_ID' is already globally unique.

NEW QUESTION # 48

You are analyzing website traffic data in Snowflake using Snowsight. The data is stored in a table 'WEB TRAFFIC' with columns 'VISIT DATE (DATE)', 'PAGE URL' (VARCHAR), 'VISITOR_ID (VARCHAR)', and (INT - in seconds). You need to create a Snowsight dashboard to answer the following questions: 1. What is the average session duration per page URL? 2. What is the distribution of session durations (histogram)? 3. How many unique visitors are there per day? Which of the following approaches is the MOST efficient and appropriate for creating this Snowsight dashboard?

- A. Create a single tile in Snowsight using a combination chart. Use the average session duration as the primary series, the histogram as a secondary series plotted on a different axis, and the number of unique visitors as a data label on each data point.
- B. Create three views on top of the WEB TRAFFIC table. Each view will calculate one of the required metrics. Create three tiles in Snowsight, each querying the corresponding view.
- C. Use the Snowsight Notebook feature with Python to load the data into pandas DataFrames. Then, calculate the required aggregations (average session duration, histogram bins, unique visitor counts) using pandas. Finally, create visualization tiles in Snowsight referencing the pandas DataFrames.
- **D. Create three separate tiles in Snowsight, each using a direct SQL query. For the histogram, use the 'WIDTH_BUCKET function within the SQL query to categorize session durations into buckets and then visualize the counts.**
- E. Create a single tile with three tabs. Each tab displays one of the required visualizations (average session duration, histogram, unique visitors). Use the same base SQL query for all three tabs, filtering and aggregating the data differently for each tab.

Answer: D

Explanation:

Option A is the most efficient and appropriate. Snowsight's direct SQL query functionality, coupled with the 'WIDTH_BUCKET' function, provides a straightforward and performant way to create the required visualizations. Using views (Option E) adds an unnecessary layer of abstraction. Trying to combine all visualizations into a single tile (Options B and D) is not suitable for the different visualization types. Using Snowsight Notebook (Option C) introduces unnecessary overhead for this relatively simple descriptive analysis task. While Notebooks are powerful, they're best used for more complex data transformations and analysis that SQL cannot easily handle.

NEW QUESTION # 49

Which statement accurately describes the usage of materialized views in data analysis?

- A. Materialized views are only accessible through stored procedures.
- **B. They offer a precomputed, persisted snapshot of data, improving query performance.**
- C. Materialized views update in real-time, reflecting instantaneous changes in the database.
- D. Materialized views are restricted to storing small subsets of data.

Answer: B

Explanation:

Materialized views provide precomputed snapshots of data, enhancing query performance by reducing computation overhead.

NEW QUESTION # 50

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