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We understand the difficulty of finding the latest and accurate Databricks-Certified-Data-Analyst-Associate questions. In today's competitive world, it is essential to prepare with the most probable Databricks in Databricks-Certified-Data-Analyst-Associate exam dumps to stay ahead of the competition. That's why we have created our updated Databricks Databricks-Certified-Data-Analyst-Associate Questions, which will help you to clear the Databricks Certified Data Analyst Associate Exam (Databricks-Certified-Data-Analyst-Associate) exam in one go.

Databricks Databricks-Certified-Data-Analyst-Associate Exam Syllabus Topics:

Topic	Details

Topic 1	SQL in the Lakehouse: It identifies a query that retrieves data from the database, the output of a SELECT query, a benefit of having ANSI SQL, access, and clean silver-level data. It also compares and contrasts MERGE INTO, INSERT TABLE, and COPY INTO. Lastly, this topic focuses on creating and applying UDFs in common scaling scenarios.
Topic 2	Analytics applications: It describes key moments of statistical distributions, data enhancement, and the blending of data between two source applications. Moreover, the topic also explains last-mile ETL, a scenario in which data blending would be beneficial, key statistical measures, descriptive statistics, and discrete and continuous statistics.
Topic 3	Data Management: The topic describes Delta Lake as a tool for managing data files, Delta Lake manages table metadata, benefits of Delta Lake within the Lakehouse, tables on Databricks, a table owner's responsibilities, and the persistence of data. It also identifies management of a table, usage of Data Explorer by a table owner, and organization-specific considerations of PII data. Lastly, the topic it explains how the LOCATION keyword changes, usage of Data Explorer to secure data.
Topic 4	Data Visualization and Dashboarding: Sub-topics of this topic are about of describing how notifications are sent, how to configure and troubleshoot a basic alert, how to configure a refresh schedule, the pros and cons of sharing dashboards, how query parameters change the output, and how to change the colors of all of the visualizations. It also discusses customized data visualizations, visualization formatting, Query Based Dropdown List, and the method for sharing a dashboard.
Topic 5	- Databricks SQL: This topic discusses key and side audiences, users, Databricks SQL benefits, complementing a basic Databricks SQL query, schema browser, Databricks SQL dashboards, and the purpose of Databricks SQL endpoints - warehouses. Furthermore, the delves into Serverless Databricks SQL endpoint - warehouses, trade-off between cluster size and cost for Databricks SQL endpoints - warehouses, and Partner Connect. Lastly it discusses small-file upload, connecting Databricks SQL to visualization tools, the medallion architecture, the gold layer, and the benefits of working with streaming data.

Databricks Certified Data Analyst Associate Exam Sample Questions (Q46-Q51):

NEW QUESTION # 46

Data professionals with varying titles use the Databricks SQL service as the primary touchpoint with the Databricks Lakehouse Platform. However, some users will use other services like Databricks Machine Learning or Databricks Data Science and Engineering.

Which of the following roles uses Databricks SQL as a secondary service while primarily using one of the other services?

- A. SQL analyst
- B. Business analyst
- **C. Data engineer**
- D. Data analyst
- E. Business intelligence analyst

Answer: C

Explanation:

Data engineers are primarily responsible for building, managing, and optimizing data pipelines and architectures. They use Databricks Data Science and Engineering service to perform tasks such as data ingestion, transformation, quality, and governance. Data engineers may use Databricks SQL as a secondary service to query, analyze, and visualize data from the lakehouse, but this is not their main focus. Reference: Databricks SQL overview, Databricks Data Science and Engineering overview, Data engineering with Databricks

NEW QUESTION # 47

A data engineering team has created a Structured Streaming pipeline that processes data in micro-batches and populates gold-level tables. The microbatches are triggered every 10 minutes.

A data analyst has created a dashboard based on this gold level data

a. The project stakeholders want to see the results in the dashboard updated within 10 minutes or less of new data becoming available within the gold-level tables.

What is the ability to ensure the streamed data is included in the dashboard at the standard requested by the project stakeholders?

- A. A refresh schedule with an always-on SQL Warehouse (formerly known as SQL Endpoint)
- **B. A refresh schedule with an interval of 10 minutes or less**
- C. A refresh schedule with stakeholders included as subscribers
- D. A refresh schedule with a Structured Streaming cluster

Answer: B

Explanation:

In this scenario, the data engineering team has configured a Structured Streaming pipeline that updates the gold-level tables every 10 minutes. To ensure that the dashboard reflects the most recent data, it is essential to set the dashboard's refresh schedule to an interval of 10 minutes or less. This synchronization ensures that stakeholders view the latest information shortly after it becomes available in the gold-level tables. Options B, C, and D do not directly address the requirement of aligning the dashboard refresh frequency with the data update interval.

NEW QUESTION # 48

A business analyst has been asked to create a data entity/object called sales_by_employee. It should always stay up-to-date when new data are added to the sales table. The new entity should have the columns sales_person, which will be the name of the employee from the employees table, and sales, which will be all sales for that particular sales person. Both the sales table and the employees table have an employee_id column that is used to identify the sales person.

Which of the following code blocks will accomplish this task?

- A.

```
CREATE TEMPORARY TABLE sales_by_employee AS
  SELECT employees.employee_name sales_person,
         sales.sales
  FROM sales
  JOIN employees
  ON employees.employee_id = sales.employee_id;
```

- **B.**
- C.

```
CREATE OR REPLACE VIEW sales_by_employee AS
  SELECT employees.employee_name sales_person,
         sales.sales FROM sales
  JOIN employees
  ON employees.employee_id = sales.employee_id;
```

```
CREATE OR REPLACE VIEW sales_by_employee USING
  SELECT employees.employee_name sales_person,
         sales.sales
  FROM sales
  JOIN employees
  ON employees.employee_id = sales.employee_id;
```

- D.

```

SELECT employees.employee_name sales_person,
       sales.sales
FROM sales
JOIN employees
ON employees.employee_id = sales.employee_id USING
CREATE OR REPLACE VIEW sales_by_employee;

```

Answer: B

Explanation:

The SQL code provided in Option D is the correct way to create a view named sales_by_employee that will always stay up-to-date with the sales and employees tables. The code uses the CREATE OR REPLACE VIEW statement to define a new view that joins the sales and employees tables on the employee_id column. It selects the employee_name as sales_person and all sales for each employee, ensuring that the data entity/object is always up-to-date when new data are added to these tables.

NEW QUESTION # 49

A data engineering team has created a Structured Streaming pipeline that processes data in micro-batches and populates gold-level tables. The microbatches are triggered every minute.

A data analyst has created a dashboard based on this gold-level data. The project stakeholders want to see the results in the dashboard updated within one minute or less of new data becoming available within the gold-level tables.

Which of the following cautions should the data analyst share prior to setting up the dashboard to complete this task?

- A. The required compute resources could be costly
- B. The dashboard cannot be refreshed that quickly
- C. The streaming data is not an appropriate data source for a dashboard
- D. The streaming cluster is not fault tolerant
- E. The gold-level tables are not appropriately clean for business reporting

Answer: A

Explanation:

A Structured Streaming pipeline that processes data in micro-batches and populates gold-level tables every minute requires a high level of compute resources to handle the frequent data ingestion, processing, and writing. This could result in a significant cost for the organization, especially if the data volume and velocity are large. Therefore, the data analyst should share this caution with the project stakeholders before setting up the dashboard and evaluate the trade-offs between the desired refresh rate and the available budget. The other options are not valid cautions because:

B) The gold-level tables are assumed to be appropriately clean for business reporting, as they are the final output of the data engineering pipeline. If the data quality is not satisfactory, the issue should be addressed at the source or silver level, not at the gold level.

C) The streaming data is an appropriate data source for a dashboard, as it can provide near real-time insights and analytics for the business users. Structured Streaming supports various sources and sinks for streaming data, including Delta Lake, which can enable both batch and streaming queries on the same data.

D) The streaming cluster is fault tolerant, as Structured Streaming provides end-to-end exactly-once fault-tolerance guarantees through checkpointing and write-ahead logs. If a query fails, it can be restarted from the last checkpoint and resume processing.

E) The dashboard can be refreshed within one minute or less of new data becoming available in the gold-level tables, as Structured Streaming can trigger micro-batches as fast as possible (every few seconds) and update the results incrementally. However, this may not be necessary or optimal for the business use case, as it could cause frequent changes in the dashboard and consume more resources. Reference: Streaming on Databricks, Monitoring Structured Streaming queries on Databricks, A look at the new Structured Streaming UI in Apache Spark 3.0, Run your first Structured Streaming workload

NEW QUESTION # 50

A data analyst runs the following command:

```
INSERT INTO stakeholders.suppliers TABLE stakeholders.new_suppliers;
```

What is the result of running this command?

- A. The suppliers table now contains only the data from the new suppliers table.

- **B. The command fails because it is written incorrectly.**
- C. The suppliers table now contains the data from the new suppliers table, and the new suppliers table now contains the data from the suppliers table.
- D. The suppliers table now contains both the data it had before the command was run and the data from the new suppliers table, and any duplicate data is deleted.
- E. The suppliers table now contains both the data it had before the command was run and the data from the new suppliers table, including any duplicate data.

Answer: B

Explanation:

The command `INSERT INTO stakeholders.suppliers TABLE stakeholders.new_suppliers` is not a valid syntax for inserting data into a table in Databricks SQL. According to the documentation¹², the correct syntax for inserting data into a table is either:
`INSERT { OVERWRITE | INTO } [ TABLE ] table_name [ PARTITION clause ] [ ( column_name [, ...] ) | BY NAME ] query`
`INSERT INTO [ TABLE ] table_name REPLACE WHERE predicate query`
The command in the question is missing the `OVERWRITE` or `INTO` keyword, and the query part that specifies the source of the data to be inserted. The `TABLE` keyword is optional and can be omitted. The `PARTITION` clause and the column list are also optional and depend on the table schema and the data source. Therefore, the command in the question will fail with a syntax error.

Reference:

`INSERT` | Databricks on AWS

`INSERT` - Azure Databricks - Databricks SQL | Microsoft Learn

NEW QUESTION # 51

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It is universally accepted that the exam is a tough nut to crack for the majority of candidates, but the related Databricks-Certified-Data-Analyst-Associate certification is of great significance for workers in this field so that many workers have to meet the challenge. Fortunately, you need not to worry about this sort of question any more, since you can find the best solution in this website--our Databricks-Certified-Data-Analyst-Associate Training Materials. With our continued investment in technology, people and facilities, the future of our company has never looked so bright. There are so many advantages of our Databricks-Certified-Data-Analyst-Associate practice test and I would like to give you a brief introduction now.

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