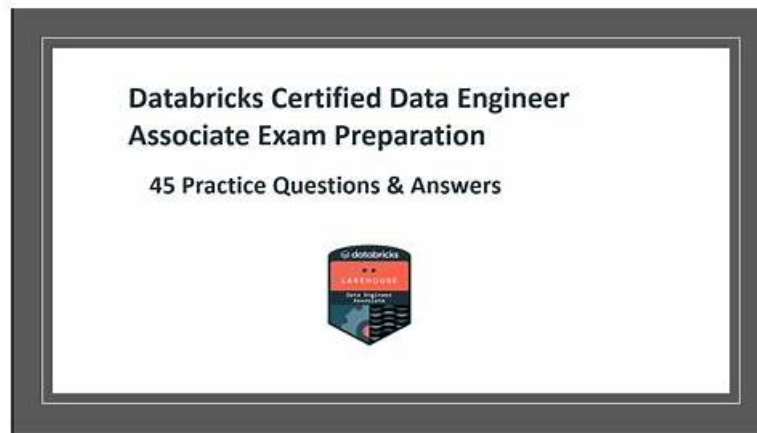


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Databricks-Certified-Data-Engineer-Associate exam is a vendor-neutral certification, meaning that it is not tied to any specific technology or platform. This makes it a highly versatile qualification that can be applied to a range of different roles and industries. It is also recognized globally, making it a valuable asset for data engineers looking to work in different countries or regions.

Databricks Certified Data Engineer Associate Exam Sample Questions (Q13-Q18):

NEW QUESTION # 13

A data engineer has a single-task Job that runs each morning before they begin working. After identifying an upstream data issue, they need to set up another task to run a new notebook prior to the original task.

Which of the following approaches can the data engineer use to set up the new task?

- A. They can clone the existing task in the existing Job and update it to run the new notebook.
- B. They can create a new job from scratch and add both tasks to run concurrently.
- C. They can create a new task in the existing Job and then add the original task as a dependency of the new task.
- **D. They can clone the existing task to a new Job and then edit it to run the new notebook.**
- E. They can create a new task in the existing Job and then add it as a dependency of the original task.

Answer: D

NEW QUESTION # 14

Which of the following describes the relationship between Gold tables and Silver tables?

- A. Gold tables are more likely to contain more data than Silver tables.
- B. Gold tables are more likely to contain a less refined view of data than Silver tables.
- C. Gold tables are more likely to contain truthful data than Silver tables.
- D. Gold tables are more likely to contain valuable data than Silver tables.
- **E. Gold tables are more likely to contain aggregations than Silver tables.**

Answer: E

Explanation:

According to the medallion lakehouse architecture, gold tables are the final layer of data that powers analytics, machine learning, and production applications. They are often highly refined and aggregated, containing data that has been transformed into knowledge, rather than just information. Silver tables, on the other hand, are the intermediate layer of data that represents a validated, enriched version of the raw data from the bronze layer. They provide an enterprise view of all its key business entities, concepts and transactions, but they may not have all the aggregations and calculations that are required for specific use cases. Therefore, gold tables are more likely to contain aggregations than silver tables. References:

* What is the medallion lakehouse architecture?

* What is a Medallion Architecture?

NEW QUESTION # 15

A data engineer and data analyst are working together on a data pipeline. The data engineer is working on the raw, bronze, and silver layers of the pipeline using Python, and the data analyst is working on the gold layer of the pipeline using SQL. The raw source of the pipeline is a streaming input. They now want to migrate their pipeline to use Delta Live Tables.

Which change will need to be made to the pipeline when migrating to Delta Live Tables?

- A. The pipeline will need to be written entirely in SQL.
- B. The pipeline will need to use a batch source in place of a streaming source.
- **C. The pipeline can have different notebook sources in SQL & Python.**
- D. The pipeline will need to be written entirely in Python.

Answer: C

Explanation:

When migrating to Delta Live Tables (DLT) with a data pipeline that involves different programming languages across various data layers, the migration does not require unifying the pipeline into a single language. Delta Live Tables support multi-language pipelines, allowing data engineers and data analysts to work in their preferred languages, such as Python for data engineering tasks (raw, bronze, and silver layers) and SQL for data analytics tasks (gold layer). This capability is particularly beneficial in collaborative settings and leverages the strengths of each language for different stages of data processing.

Reference:

Databricks documentation on Delta Live Tables: [Delta Live Tables Guide](#)

NEW QUESTION # 16

A data engineer has been using a Databricks SQL dashboard to monitor the cleanliness of the input data to a data analytics

dashboard for a retail use case. The job has a Databricks SQL query that returns the number of store-level records where sales is equal to zero. The data engineer wants their entire team to be notified via a messaging webhook whenever this value is greater than 0.

Which of the following approaches can the data engineer use to notify their entire team via a messaging webhook whenever the number of stores with \$0 in sales is greater than zero?

- A. They can set up an Alert with a new email alert destination.
- B. They can set up an Alert without notifications.
- C. They can set up an Alert with one-time notifications.
- **D. They can set up an Alert with a new webhook alert destination.**
- E. They can set up an Alert with a custom template.

Answer: D

Explanation:

A webhook alert destination is a notification destination that allows Databricks to send HTTP POST requests to a third-party endpoint when an alert is triggered. This enables the data engineer to integrate Databricks alerts with their preferred messaging or collaboration platform, such as Slack, Microsoft Teams, or PagerDuty. To set up a webhook alert destination, the data engineer needs to create and configure a webhook connector in their messaging platform, and then add the webhook URL to the Databricks notification destination. After that, the data engineer can create an alert for their Databricks SQL query, and select the webhook alert destination as the notification destination. The alert can be configured with a custom condition, such as when the number of stores with \$0 in sales is greater than zero, and a custom message template, such as "Alert: {number_of_stores} stores have \$0 in sales". The alert can also be configured with a recurrence interval, such as every hour, to check the query result periodically. When the alert condition is met, the data engineer and their team will receive a notification via the messaging webhook, with the custom message and a link to the Databricks SQL query. The other options are either not suitable for sending notifications via a messaging webhook (A, B, E), or not suitable for sending recurring notifications ©. References: Databricks Documentation - Manage notification destinations, Databricks Documentation - Create alerts for Databricks SQL queries, Databricks Documentation - Configure alert conditions and messages.

NEW QUESTION # 17

Which of the following can be used to simplify and unify siloed data architectures that are specialized for specific use cases?

- A. Data warehouse
- B. All of these
- **C. Data lakehouse**
- D. None of these
- E. Data lake

Answer: C

Explanation:

A data lakehouse is a new paradigm that can be used to simplify and unify siloed data architectures that are specialized for specific use cases. A data lakehouse combines the best of both data lakes and data warehouses, providing a single platform that supports diverse data types, open standards, low-cost storage, high-performance queries, ACID transactions, schema enforcement, and governance. A data lakehouse enables data engineers to build reliable and scalable data pipelines that can serve various downstream applications and users, such as data science, machine learning, analytics, and reporting. A data lakehouse leverages the power of Delta Lake, a storage layer that brings reliability and performance to data lakes. References: What is a data lakehouse?, Delta Lake, Lakehouse: A New Generation of Open Platforms that Unify Data Warehousing and Advanced Analytics

NEW QUESTION # 18

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