

Databricks Databricks-Certified-Data-Engineer-Associate Practice Exams For Self-Assessment (Web-Based And Desktop)



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Databricks Certified Data Engineer Associate Exam is a comprehensive exam that covers a wide range of topics related to data engineering using Databricks. Databricks-Certified-Data-Engineer-Associate exam consists of multiple-choice questions that test an individual's understanding of Databricks fundamentals, data ingestion, data transformation, data analysis, and performance optimization. Databricks-Certified-Data-Engineer-Associate Exam is designed to be challenging and requires a deep understanding of Databricks and data engineering concepts.

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The Databricks Databricks-Certified-Data-Engineer-Associate Exam covers a range of topics, including data ingestion, processing, and storage. Candidates are tested on their ability to design and implement data pipelines, data models, and data processing workflows using Databricks. Databricks is a cloud-based data platform that provides a unified analytics platform for data engineering, data science, and machine learning.

Databricks Certified Data Engineer Associate Exam Sample Questions (Q132-Q137):

NEW QUESTION # 132

A data engineer has three tables in a Delta Live Tables (DLT) pipeline. They have configured the pipeline to drop invalid records at each table. They notice that some data is being dropped due to quality concerns at some point in the DLT pipeline. They would like

to determine at which table in their pipeline the data is being dropped.

Which of the following approaches can the data engineer take to identify the table that is dropping the records?

- A. They can set up DLT to notify them via email when records are dropped.
- B. They can set up separate expectations for each table when developing their DLT pipeline.
- C. They cannot determine which table is dropping the records.
- D. They can navigate to the DLT pipeline page, click on the "Error" button, and review the present errors.
- E. They can navigate to the DLT pipeline page, click on each table, and view the data quality statistics.

Answer: E

Explanation:

Explanation

To identify the table in a Delta Live Tables (DLT) pipeline where data is being dropped due to quality concerns, the data engineer can navigate to the DLT pipeline page, click on each table in the pipeline, and view the data quality statistics. These statistics often include information about records dropped, violations of expectations, and other data quality metrics. By examining the data quality statistics for each table in the pipeline, the data engineer can determine at which table the data is being dropped.

NEW QUESTION # 133

A data engineer is using the following code block as part of a batch ingestion pipeline to read from a composable table:

```
transactions df = (spark.read  
    .schema(schema)  
    .format("delta")  
    .table("transactions")  
)
```

Which of the following changes needs to be made so this code block will work when the transactions table is a stream source?

- A. Replace predict with a stream-friendly prediction function
- B. Replace spark.read with spark.readStream
- C. Replace format("delta") with format("stream")
- D. Replace "transactions" with the path to the location of the Delta table
- E. Replace schema(schema) with option ("maxFilesPerTrigger", 1)

Answer: B

Explanation:

To read from a stream source, the data engineer needs to use the spark.readStream method instead of the spark.read method. The spark.readStream method returns a DataStreamReader object that can be used to specify the details of the input source, such as the format, the schema, the path, and the options. The spark.read method is only suitable for batch processing, not streaming processing. The other changes are not necessary or correct for reading from a stream source. References: Structured Streaming Programming Guide, Read a stream, Databricks Data Sources

NEW QUESTION # 134

A data engineer that is new to using Python needs to create a Python function to add two integers together and return the sum? Which of the following code blocks can the data engineer use to complete this task?

- A.

```
function add_integers(x, y):  
    x + y
```
- B.

```
def add_integers(x, y):  
    return x + y
```
- C.

```
def add_integers(x, y):  
    print(x + y)
```

- D.

```
def add_integers(x, y):
    x + y
```
- E.

```
function add_integers(x, y):
    return x + y
```

Answer: B

Explanation:

https://www.w3schools.com/python/python_functions.asp

<https://www.geeksforgeeks.org/python-functions/>

NEW QUESTION # 135

A new data engineering team has been assigned to an ELT project. The new data engineering team will need full privileges on the table sales to fully manage the project.

Which of the following commands can be used to grant full permissions on the database to the new data engineering team?

- A. GRANT ALL PRIVILEGES ON TABLE team TO sales;
- B. **GRANT ALL PRIVILEGES ON TABLE sales TO team;**
- C. GRANT SELECT ON TABLE sales TO team;
- D. GRANT SELECT CREATE MODIFY ON TABLE sales TO team;
- E. GRANT USAGE ON TABLE sales TO team;

Answer: B

Explanation:

To grant full permissions on a table to a user or a group, you can use the GRANT ALL PRIVILEGES ON TABLE statement. This statement will grant all the possible privileges on the table, such as SELECT, CREATE, MODIFY, DROP, ALTER, etc. Option A is the only code block that follows this syntax correctly. Option B is incorrect, as it does not grant all the possible privileges on the table, but only a subset of them. Option C is incorrect, as it only grants the SELECT privilege on the table, which is not enough to fully manage the project. Option D is incorrect, as it grants the USAGE privilege on the table, which is not a valid privilege for tables. Option E is incorrect, as it grants all the privileges on the table team to the user or group sales, which is the opposite of what the question asks. References: Grant privileges on a table using SQL | Databricks on AWS, Grant privileges on a table using SQL - Azure Databricks, SQL Privileges - Databricks

NEW QUESTION # 136

Which of the following describes a scenario in which a data engineer will want to use a single-node cluster?

- A. When they are concerned about the ability to automatically scale with larger data
- B. When they are manually running reports with a large amount of data
- C. When they are working with SQL within Databricks SQL
- D. When they are running automated reports to be refreshed as quickly as possible
- E. **When they are working interactively with a small amount of data**

Answer: E

Explanation:

Explanation

A Single Node cluster is a cluster consisting of an Apache Spark driver and no Spark workers. A Single Node cluster supports Spark jobs and all Spark data sources, including Delta Lake. A Standard cluster requires a minimum of one Spark worker to run Spark jobs.

NEW QUESTION # 137

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