

# DATABRICKS-CERTIFIED-DATA-ENGINEER-ASSOCIATE<sup>Q&As</sup>

Databricks Certified Data Engineer Associate Exam

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#### **QUESTION 1**

In order for Structured Streaming to reliably track the exact progress of the processing so that it can handle any kind of failure by restarting and/or reprocessing, which of the following two approaches is used by Spark to record the offset range of the data being processed in each trigger?

- A. Checkpointing and Write-ahead Logs
- B. Structured Streaming cannot record the offset range of the data being processed in each trigger.
- C. Replayable Sources and Idempotent Sinks
- D. Write-ahead Logs and Idempotent Sinks
- E. Checkpointing and Idempotent Sinks

Correct Answer: E

### **QUESTION 2**

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

Correct Answer: E

#### **QUESTION 3**

A data engineer has a Job with multiple tasks that runs nightly. Each of the tasks runs slowly because the clusters take a long time to start.

Which of the following actions can the data engineer perform to improve the start up time for the clusters used for the Job?

- A. They can use endpoints available in Databricks SQL
- B. They can use jobs clusters instead of all-purpose clusters
- C. They can configure the clusters to be single-node

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- D. They can use clusters that are from a cluster pool
- E. They can configure the clusters to autoscale for larger data sizes

Correct Answer: B

#### **QUESTION 4**

A data organization leader is upset about the data analysis team\\'s reports being different from the data engineering team\\'s reports. The leader believes the siloed nature of their organization\\'s data engineering and data analysis architectures is to blame.

Which of the following describes how a data lakehouse could alleviate this issue?

- A. Both teams would autoscale their work as data size evolves
- B. Both teams would use the same source of truth for their work
- C. Both teams would reorganize to report to the same department
- D. Both teams would be able to collaborate on projects in real-time E. Both teams would respond more quickly to ad-hoc requests

Correct Answer: B

## **QUESTION 5**

A data engineer needs to create a table in Databricks using data from their organization\\'s existing SQLite database. They run the following command:

```
CREATE TABLE jdbc_customer360
USING ____
OPTIONS (
   url "jdbc:sqlite:/customers.db",
   dbtable "customer360"
)
```

Which of the following lines of code fills in the above blank to successfully complete the task?

A. org.apache.spark.sql.jdbc

- B. autoloader
- C. DELTA
- D. sqlite
- E. org.apache.spark.sql.sqlite

Correct Answer: E



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