

# Databricks-Certified-Professional-Data-Engineer Exam Sample, Exam Discount Databricks-Certified-Professional-Data-Engineer Voucher



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## Quiz 2026 Pass-Sure Databricks-Certified-Professional-Data-Engineer: Databricks Certified Professional Data Engineer Exam Exam Sample

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## Databricks Certified Professional Data Engineer Exam Sample Questions (Q66-Q71):

### NEW QUESTION # 66

Which of the following SQL statements can replace a python variable, when the notebook is set in SQL mode

- 1.table\_name = "sales"
- 2.schema\_name = "bronze"

- A. spark.sql("SELECT \* FROM schema\_name.table\_name")
- B. spark.sql(f"SELECT \* FROM \${schema\_name}.\${table\_name}")
- C. spark.sql(f"SELECT \* FROM {schem\_name.table\_name}")
- D. spark.sql(f"SELECT \* FROM f{schema\_name.table\_name}")
- E. spark.sql(f"SELECT \* FROM {schema\_name}.{table\_name}")

**Answer: E**

Explanation:

Explanation

The answer is `spark.sql("SELECT * FROM {schema_name}.{table_name}")`

### NEW QUESTION # 67

A small company based in the United States has recently contracted a consulting firm in India to implement several new data engineering pipelines to power artificial intelligence applications. All the company's data is stored in regional cloud storage in the United States.

The workspace administrator at the company is uncertain about where the Databricks workspace used by the contractors should be deployed.

Assuming that all data governance considerations are accounted for, which statement accurately informs this decision?

- A. Databricks notebooks send all executable code from the user's browser to virtual machines over the open internet; whenever possible, choosing a workspace region near the end users is the most secure.
- **B. Cross-region reads and writes can incur significant costs and latency; whenever possible, compute should be deployed in the same region the data is stored.**
- C. Databricks workspaces do not rely on any regional infrastructure; as such, the decision should be made based upon what is most convenient for the workspace administrator.
- D. Databricks leverages user workstations as the driver during interactive development; as such, users should always use a workspace deployed in a region they are physically near.
- E. Databricks runs HDFS on cloud volume storage; as such, cloud virtual machines must be deployed in the region where the data is stored.

**Answer: B**

Explanation:

Explanation

This is the correct answer because it accurately informs this decision. The decision is about where the Databricks workspace used by the contractors should be deployed. The contractors are based in India, while all the company's data is stored in regional cloud storage in the United States. When choosing a region for deploying a Databricks workspace, one of the important factors to consider is the proximity to the data sources and sinks. Cross-region reads and writes can incur significant costs and latency due to network bandwidth and data transfer fees. Therefore, whenever possible, compute should be deployed in the same region the data is stored to optimize performance and reduce costs. Verified References: [Databricks Certified Data Engineer Professional], under "Databricks Workspace" section; Databricks Documentation, under "Choose a region" section.

### NEW QUESTION # 68

A user new to Databricks is trying to troubleshoot long execution times for some pipeline logic they are working on. Presently, the user is executing code cell-by-cell, using calls to confirm code is producing the logically correct results as new transformations are added to an operation. To get a measure of average time to execute, the user is running each cell multiple times interactively.

Which of the following adjustments will get a more accurate measure of how code is likely to perform in production?

- A. Scala is the only language that can be accurately tested using interactive notebooks; because the best performance is achieved by using Scala code compiled to JARs, all PySpark and Spark SQL logic should be refactored.
- B. The only way to meaningfully troubleshoot code execution times in development notebooks is to use production-sized data and production-sized clusters with Run All execution.
- C. Production code development should only be done using an IDE; executing code against a local build of open source Spark and Delta Lake will provide the most accurate benchmarks for how code will perform in production.
- **D. Calling `display()` forces a job to trigger, while many transformations will only add to the logical query plan; because of caching, repeated execution of the same logic does not provide meaningful results.**
- E. The Jobs UI should be leveraged to occasionally run the notebook as a job and track execution time during incremental code development because Photon can only be enabled on clusters launched for scheduled jobs.

**Answer: D**

Explanation:

Explanation

This is the correct answer because it explains which of the following adjustments will get a more accurate measure of how code is likely to perform in production. The adjustment is that calling `display()` forces a job to trigger, while many transformations will only add to the logical query plan; because of caching, repeated execution of the same logic does not provide meaningful results. When

developing code in Databricks notebooks, one should be aware of how Spark handles transformations and actions. Transformations are operations that create a new DataFrame or Dataset from an existing one, such as filter, select, or join. Actions are operations that trigger a computation on a DataFrame or Dataset and return a result to the driver program or write it to storage, such as count, show, or save. Calling display() on a DataFrame or Dataset is also an action that triggers a computation and displays the result in a notebook cell. Spark uses lazy evaluation for transformations, which means that they are not executed until an action is called. Spark also uses caching to store intermediate results in memory or disk for faster access in subsequent actions. Therefore, calling display() forces a job to trigger, while many transformations will only add to the logical query plan; because of caching, repeated execution of the same logic does not provide meaningful results. To get a more accurate measure of how code is likely to perform in production, one should avoid calling display() too often or clear the cache before running each cell. Verified References: [Databricks Certified Data Engineer Professional], under "Spark Core" section; Databricks Documentation, under "Lazy evaluation" section; Databricks Documentation, under "Caching" section.

#### NEW QUESTION # 69

A junior data engineer on your team has implemented the following code block.

```
MERGE INTO events
USING new_events
ON events.event_id = new_events.event_id
WHEN NOT MATCHED THEN
INSERT *
```

The view new\_events contains a batch of records with the same schema as the events Delta table. The event\_id field serves as a unique key for this table.

When this query is executed, what will happen with new records that have the same event\_id as an existing record?

- A. They are merged.
- B. They are updated.
- C. They are deleted.
- D. They are inserted.
- E. They are ignored.

**Answer: E**

Explanation:

This is the correct answer because it describes what will happen with new records that have the same event\_id as an existing record when the query is executed. The query uses the INSERT INTO command to append new records from the view new\_events to the table events. However, the INSERT INTO command does not check for duplicate values in the primary key column (event\_id) and does not perform any update or delete operations on existing records. Therefore, if there are new records that have the same event\_id as an existing record, they will be ignored and not inserted into the table events. Verified References: [Databricks Certified Data Engineer Professional], under "Delta Lake" section; Databricks Documentation, under "Append data using INSERT INTO" section.

"If none of the WHEN MATCHED conditions evaluate to true for a source and target row pair that matches the merge\_condition, then the target row is left unchanged." [https://docs.databricks.com/en/sql/language-manual/delta-merge-into.html#:~:text=If%20none%20of%20the%20WHEN%20MATCHED%20conditions%20evaluate%20to%20true%20for%20a%20source%20and%20target%20row%20pair%20that%20matches%20the%20merge\\_condition%2C%20then%20the%20target%20row%20is%20left%20unchanged.](https://docs.databricks.com/en/sql/language-manual/delta-merge-into.html#:~:text=If%20none%20of%20the%20WHEN%20MATCHED%20conditions%20evaluate%20to%20true%20for%20a%20source%20and%20target%20row%20pair%20that%20matches%20the%20merge_condition%2C%20then%20the%20target%20row%20is%20left%20unchanged.)

#### NEW QUESTION # 70

A data engineer is testing a collection of mathematical functions, one of which calculates the area under a curve as described by another function.

Which kind of the test does the above line exemplify?

- A. functional
- B. Integration
- C. Unit
- D. Manual

**Answer: C**

Explanation:

A unit test is designed to verify the correctness of a small, isolated piece of code, typically a single function.

Testing a mathematical function that calculates the area under a curve is an example of a unit test because it is testing a specific, individual function to ensure it operates as expected.

References:

\* Software Testing Fundamentals: Unit Testing

## NEW QUESTION # 71

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