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Databricks Certified Data Engineer Associate Exam

Databricks Databricks-Certified-Data-Engineer-Associate

Version Demo

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QUESTION NO: 1

A single Job runs two notebooks as two separate tasks. A data engineer has noticed that one of the notebooks is running slowly in the Job's current run. The data engineer asks a tech lead for help in identifying why this might be the case.

Which of the following approaches can the tech lead use to identify why the notebook is running slowly as part of the Job?

- A. They can navigate to the Runs tab in the Jobs UI to immediately review the processing notebook.
- B. They can navigate to the Tasks tab in the Jobs UI and click on the active run to review the processing notebook.
- C. They can navigate to the Runs tab in the Jobs UI and click on the active run to review the processing notebook.
- D. There is no way to determine why a Job task is running slowly.
- E. They can navigate to the Tasks tab in the Jobs UI to immediately review the processing notebook.

ANSWER: C

QUESTION NO: 2

A data engineer needs to apply custom logic to string column city in table stores for a specific use case. In order to apply this custom logic at scale, the data engineer wants to create a SQL user-defined function (UDF).

Which of the following code blocks creates this SQL UDF?

A)

```
CREATE FUNCTION combine_nyc(city STRING)
RETURNS STRING
RETURN CASE
  WHEN city = "brooklyn" THEN "new york"
  ELSE city
END;
```

B)

```
CREATE UDF combine_nyc(city STRING)
RETURNS STRING
CASE
  WHEN city = "brooklyn" THEN "new york"
  ELSE city
END;
```

C)

```
CREATE UDF combine_nyc(city STRING)
RETURN CASE
  WHEN city = "brooklyn" THEN "new york"
  ELSE city
END;
```

D)

```
CREATE FUNCTION combine_nyc(city STRING)
RETURN CASE
  WHEN city = "brooklyn" THEN "new york"
  ELSE city
END;
```

E)

```
CREATE UDF combine_nyc(city STRING)
RETURNS STRING
RETURN CASE
  WHEN city = "brooklyn" THEN "new york"
  ELSE city
END;
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

ANSWER: E

QUESTION NO: 3

A data engineer wants to create a data entity from a couple of tables. The data entity must be used by other data engineers in other sessions. It also must be saved to a physical location.

Which of the following data entities should the data engineer create?

- A. Database
- B. Function
- C. View
- D. Temporary view

E. Table

ANSWER: C

QUESTION NO: 4

Which of the following commands can be used to write data into a Delta table while avoiding the writing of duplicate records?

- A. DROP
- B. IGNORE
- C. MERGE
- D. APPEND
- E. INSERT

ANSWER: C

QUESTION NO: 5

A data analyst has a series of queries in a SQL program. The data analyst wants this program to run every day. They only want the final query in the program to run on Sundays. They ask for help from the data engineering team to complete this task.

Which of the following approaches could be used by the data engineering team to complete this task?

- A. They could submit a feature request with Databricks to add this functionality.
- B. They could wrap the queries using PySpark and use Python's control flow system to determine when to run the final query.
- C. They could only run the entire program on Sundays.
- D. They could automatically restrict access to the source table in the final query so that it is only accessible on Sundays.
- E. They could redesign the data model to separate the data used in the final query into a new table.

ANSWER: B

QUESTION NO: 6

A data engineer only wants to execute the final block of a Python program if the Python variable `day_of_week` is equal to 1 and the Python variable `review_period` is True.

Which of the following control flow statements should the data engineer use to begin this conditionally executed code block?

- A. `if day_of_week = 1 and review_period:`

- B. if day_of_week = 1 and review_period = "True":
- C. if day_of_week == 1 and review_period == "True":
- D. if day_of_week == 1 and review_period:
- E. if day_of_week = 1 & review_period: = "True":

ANSWER: C

QUESTION NO: 7

A data engineer has left the organization. The data team needs to transfer ownership of the data engineer's Delta tables to a new data engineer. The new data engineer is the lead engineer on the data team.

Assuming the original data engineer no longer has access, which of the following individuals must be the one to transfer ownership of the Delta tables in Data Explorer?

- A. Databricks account representative
- B. This transfer is not possible
- C. Workspace administrator
- D. New lead data engineer
- E. Original data engineer

ANSWER: D

QUESTION NO: 8

A data engineer wants to create a new table containing the names of customers that live in France.

They have written the following command:

```
CREATE TABLE customersInFrance
  AS
  SELECT id,
         firstName,
         lastName,
  FROM customerLocations
  WHERE country = 'FRANCE';
```

A senior data engineer mentions that it is organization policy to include a table property indicating that the new table includes personally identifiable information (PII).

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

- A. There is no way to indicate whether a table contains PII.
- B. "COMMENT PII"
- C. TBLPROPERTIES PII
- D. COMMENT "Contains PII"
- E. PII

ANSWER: C

QUESTION NO: 9

Which of the following commands will return the location of database customer360?

- A. DESCRIBE LOCATION customer360;
- B. DROP DATABASE customer360;
- C. DESCRIBE DATABASE customer360;
- D. ALTER DATABASE customer360 SET DBPROPERTIES ('location' = '/user');
- E. USE DATABASE customer360;

ANSWER: C

QUESTION NO: 10

A data engineer runs a statement every day to copy the previous day's sales into the table transactions. Each day's sales are in their own file in the location "/transactions/raw".

Today, the data engineer runs the following command to complete this task:

```
COPY INTO transactions
FROM "/transactions/raw"
FILEFORMAT = PARQUET;
```

After running the command today, the data engineer notices that the number of records in table transactions has not changed.

Which of the following describes why the statement might not have copied any new records into the table?

- A. The format of the files to be copied were not included with the FORMAT_OPTIONS keyword.
- B. The names of the files to be copied were not included with the FILES keyword.
- C. The previous day's file has already been copied into the table.

D. The PARQUET file format does not support COPY INTO.

E. The COPY INTO statement requires the table to be refreshed to view the copied rows.

ANSWER: C