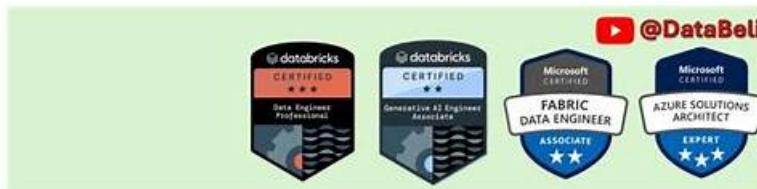# Download Databricks-Certified-Professional-Data-Engineer Free Dumps | Databricks-Certified-Professional-Data-Engineer Exam Assessment

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Databricks Certified Professional Data Engineer certification is designed for data engineers who work with the Databricks platform and have a deep understanding of data engineering concepts. Databricks Certified Professional Data Engineer Exam certification exam tests the candidate's ability to design, build, and maintain data pipelines using Databricks, as well as their knowledge of data modeling, data warehousing, and data governance. Databricks Certified Professional Data Engineer Exam certification is recognized globally and indicates that the candidate has the skills and expertise needed to work with Databricks.

Databricks Certified Professional Data Engineer Exam Sample Questions (Q82-Q87):

NEW QUESTION # 82
How to determine if a table is a managed table vs external table?

- A. Run IS_MANAGED('table_name') function
- B. Run SQL command DESCRIBE EXTENDED table_name and check type
- C. Run SQL command SHOW TABLES to see the type of the table
- D. All managed tables are stored in unity catalog
- E. All external tables are stored in data lake, managed tables are stored in DELTA lake

Answer: B

Explanation:
Explanation
The answer is Run SQL command DESCRIBE EXTENDED table_name and check type Example of External table Graphical user interface, text, application Description automatically generated
□
Example of managed table
Graphical user interface, text, application, Teams Description automatically generated
□

NEW QUESTION # 83

The data governance team is reviewing user for deleting records for compliance with GDPR. The following logic has been implemented to propagate deleted requests from the user_lookup table to the user aggregate table.
□
Assuming that user_id is a unique identifying key and that all users have requested deletion have been removed from the user_lookup table, which statement describes whether successfully executing the above logic guarantees that the records to be deleted from the user_aggregates table are no longer accessible and why?

- A. Yes: Delta Lake ACID guarantees provide assurance that the DELETE command successed fully and permanently purged these records.
- B. No: the Delta Lake DELETE command only provides ACID guarantees when combined with the MERGE INTO command
- C. No: the change data feed only tracks inserts and updates not deleted records.
- D. No: files containing deleted records may still be accessible with time travel until a BACUM command is used to remove invalidated data files.

Answer: D

Explanation:
The DELETE operation in Delta Lake is ACID compliant, which means that once the operation is successful, the records are logically removed from the table. However, the underlying files that contained these records may still exist and be accessible via time travel to older versions of the table. To ensure that these records are physically removed and compliance with GDPR is maintained, a VACUUM command should be used to clean up these data files after a certain retention period. The VACUUM command will remove the files from the storage layer, and after this, the records will no longer be accessible.

NEW QUESTION # 84

Where in the Spark UI can one diagnose a performance problem induced by not leveraging predicate push-down?

- A. In the Query Detail screen, by interpreting the Physical Plan
- B. In the Stage's Detail screen, in the Completed Stages table, by noting the size of data read from the Input column
- C. In the Executor's log file, by gripping for "predicate push-down"
- D. In the Storage Detail screen, by noting which RDDs are not stored on disk
- E. In the Delta Lake transaction log. by noting the column statistics

Answer: A

Explanation:
Explanation
This is the correct answer because it is where in the Spark UI one can diagnose a performance problem induced by not leveraging predicate push-down. Predicate push-down is an optimization technique that allows filtering data at the source before loading it into memory or processing it further. This can improve performance and reduce I/O costs by avoiding reading unnecessary data. To leverage predicate push-down, one should use supported data sources and formats, such as Delta Lake, Parquet, or JDBC, and use filter expressions that can be pushed down to the source. To diagnose a performance problem induced by not leveraging predicate push-down, one can use the Spark UI to access the Query Detail screen, which shows information about a SQL query executed on a Spark cluster. The Query Detail screen includes the Physical Plan, which is the actual plan executed by Spark to perform the query. The Physical Plan shows the physical operators used by Spark, such as Scan, Filter, Project, or Aggregate, and their input and output statistics, such as rows and bytes. By interpreting the Physical Plan, one can see if the filter expressions are pushed down to the source or not, and how much data is read or processed by each operator. Verified References: [Databricks Certified Data Engineer Professional], under "Spark Core" section; Databricks Documentation, under
"Predicate pushdown" section; Databricks Documentation, under "Query detail page" section.

NEW QUESTION # 85

Which of the following is a correct statement on how the data is organized in the storage when when managing a DELTA table?

- A. All of the data is broken down into one or many parquet files, log file is removed once the transaction is committed.
- B. All of the data is broken down into one or many parquet files, but the log file is stored as a single json file, and every transaction creates a new data file(s) and log file gets appended.
- C. All of the data is stored into one parquet file, log files are broken down into one or many json files.
- D. All of the data and log are stored in a single parquet file
- E. All of the data is broken down into one or many parquet files, log files are broken down into one or many JSON files, and each transaction creates a new data file(s) and log file.
  (Correct)

Answer: E

Explanation:
Explanation
Answer is
All of the data is broken down into one or many parquet files, log files are broken down into one or many json files, and each transaction creates a new data file(s) and log file.
here is sample layout of how DELTA table might look,
￼

NEW QUESTION # 86

If you create a database sample_db with the statement CREATE DATABASE sample_db what will be the default location of the database in DBFS?

- A. Default location, DBFS:/user/
- B. Default location, /user/db/
- C. Default Storage account
- D. Default Location, dbfs:/user/hive/warehouse
- E. Statement fails "Unable to create database without location"

Answer: D

Explanation:
Explanation
The Answer is dbfs:/user/hive/warehouse this is the default location where spark stores user data-bases, the default can be changed using spark.sql.warehouse.dir a parameter. You can also provide a custom location using the LOCATION keyword.
Here is how this works,
Graphical user interface, text, application, email Description automatically generated
￼
Default location
￼
FYI, This can be changed used using cluster spark config or session config.
Modify spark.sql.warehouse.dir location to change the default location
Graphical user interface, text, application Description automatically generated
￼

NEW QUESTION # 87

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