😂 databricks

Incremental Processing with Structured Streaming

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Which of the following could be used as sources in a stream processing pipeline? Select two responses.

- A. change data capture (CDC) feed
- B. Kafka
- C. Delta Lake
- D. IoT devices

Which of the following statements about propagating deletes with change data feed (CDF) are true?

Select two responses

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- A. Deletes cannot be processed at the same time as appends and updates.
- B. Commit messages can be specified as part of the write options using the **userMetadata** option.
- C. Deleting data will create new data files rather than deleting existing data files.
- D. In order to propagate deletes to a table, a **MERGE** statement is required in SQL.

Which of the following statements about propagating deletes with change data feed (CDF) are true? Select two responses.

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Which of the following are considerations to keep in mind when choosing between micro-batch and continuous execution mode?

Select two responses.

- A. Desired latency
- B. Total cost of operation (TCO)
- C. Maximum throughput
- D. Cloud object storage

Which of the following are considerations to keep in mind when choosing between micro-batch and continuous execution mode?

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Which of the following functions completes the following code snippet to return a Spark DataFrame in a structured streaming query?

spark.readStream.format("kafka") .option("kafka.bootstrap.servers",...) .option("subscribe", "topic")

Select one response. A. .load()

B. .print() C. .return()

D. .merge()

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A. .load() B. .print() C. .return() D. .merge()



- A. continuous and bounded
- B. continuous and unbounded
- C. micro-batch and unbounded
- D. micro-batch and bounded







- A. Use streaming live tables for raw data and streaming tables for bronze, silver, and gold quality data.
- B. Use streaming tables for bronze quality data and streaming live tables for silver and gold quality data.
- C. Use streaming live tables for bronze quality data and streaming tables for silver and gold quality data.
- D. Use streaming tables for raw data and streaming live tables for bronze, silver, and gold quality data.

A data engineer has data that needs to be updated. However, they need to have access to a recorded history of the information previously stored in the dataset before the update. Which of the following table types should the data engineer use for their data?







- A. Stream-stream join
- B. <u>Stream-static join</u>
 C. Stateful aggregation
 D. Drop duplicates



- A. Transactional guarantees and Delta Lake ensure that the newest version of a dimension table will be referenced each time a query is processed for incremental workloads.
- B. Joined data cannot go unmatched because of Delta Lake's foreign key constraint.
- C. Dimension tables contain a granular record of activities, while fact tables contain data that is updated or modified over time.
- D. Modern guidelines suggest denormalizing dimension and fact tables.



- A. {"invalid_record": f"NOT({' AND '.join(rules.values())})"}
- B. {"invalid_record": f"&&({' ! '.join(rules.values())})"}
- C. {"invalid_record": f"NOT({' OR '.join(rules.values())})"}
- D. {"invalid_record": f"IF({' NULL '.join(rules.values())})"}





Which of the following terms refers to irreversibly altering personal data in such a way that a data subject can no longer be identified directly or indirectly?



- A. Tokenization
- B. Pseudonymization
- C. Anonymization
- D. Binning





Α.	HIPAA
В.	PCI-DSS
С.	GDPR
D.	CCPA



- A. Hashing
- B. Truncating IP addresses
- C. Data suppression **D. Binning**



- A. Tokenization
- B. Categorical generalization
- C. Binning
- D. Hashing



Α.	Version
В.	Date modified
C.	Timestamp
D.	Size













Knowledge check

Think about this question and volunteer an answer

Databricks CI/CD Workflows

A data engineer has created a pipeline that implements unit tests and has run this pipeline after pushing changes to the repo. Which of the following steps does the data engineer need to take in order to create a complete Workflow? Select one response.

A.They need to anonymize any sensitive information in their tables.

B.They need to run the implementation test when code is

moved to a staging environment.

C. They need to create data quality constraints to prevent bad records from entering the production table. D. They need to modularize their code to make it more

efficient and readable.

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A data engineer wants to create a single refined table out of raw data from several streaming sources. Which of the following data ingestion patterns can be used to complete this task?



D

Which of the following components of a job are associated with viewing run history and debugging?



В



С

Which of the following APIs are used only by administrators to manage account users and groups?

Select one response

A.Jobs API, Clusters API, DBFS API Workspace API, Libraries API, Tokens API Account API, Groups API, SCIM API Cluster Policies API, Instance Pools API, Global Init Scripts API, Instance Profiles API

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С



A,C

