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QUESTION 1

A machine learning engineer has registered a sklearn model in the MLflow Model Registry using the sklearn model flavor with UI model_uri. Which of the following operations can be used to load the model as an sklearn object for batch deployment?

- A. mlflow.spark.load_model(model_uri)
- B. mlflow.pyfunc.read_model(model_uri)
- C. mlflow.sklearn.read_model(model_uri)
- D. mlflow.pyfunc.load_model(model_uri)
- E. mlflow.sklearn.load_model(model_uri)

Correct Answer: E

QUESTION 2

Which of the following is a benefit of logging a model signature with an MLflow model?

- A. The model will have a unique identifier in the MLflow experiment
- B. The schema of input data can be validated when serving models
- C. The model can be deployed using real-time serving tools
- D. The model will be secured by the user that developed it
- E. The schema of input data will be converted to match the signature

Correct Answer: B

QUESTION 3

A machine learning engineer is using the following code block as part of a batch deployment pipeline:



```
inference_df = (spark.read
    .schema(schema)
    .format("delta")
    .table("inference")
)
predictions_df = inference_df.withColumn(
    "prediction",
    predict(*inference_df.columns)
)
```

Which of the following changes needs to be made so this code block will work when the inference table is a stream source?

- A. Replace "inference" with the path to the location of the Delta table
- B. Replace schema(schema) with option("maxFilesPerTrigger", 1)
- C. Replace spark.read with spark.readStream
- D. Replace format("delta") with format("stream")
- E. Replace predict with a stream-friendly prediction function

Correct Answer: C

QUESTION 4

Which of the following tools can assist in real-time deployments by packaging software with its own application, tools, and libraries?

- A. Cloud-based compute
- B. None of these tools
- C. REST APIs
- D. Containers
- E. Autoscaling clusters

Correct Answer: D

QUESTION 5



A machine learning engineer has developed a model and registered it using the FeatureStoreClient fs. The model has model URI model_uri. The engineer now needs to perform batch inference on customer-level Spark DataFrame spark_df,

but it is missing a few of the static features that were used when training the model. The customer_id column is the primary key of spark_df and the training set used when training and logging the model.

Which of the following code blocks can be used to compute predictions for spark_df when the missing feature values can be found in the Feature Store by searching for features by customer_id?

- A. `df = fs.get_missing_features(spark_df, model_uri) fs.score_model(model_uri, df)`
- B. `fs.score_model(model_uri, spark_df)`
- C. `df = fs.get_missing_features(spark_df, model_uri) fs.score_batch(model_uri, df)`
- D. `df = fs.get_missing_features(spark_df) fs.score_batch(model_uri, df)`
- E. `fs.score_batch(model_uri, spark_df)`

Correct Answer: E

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