IBM Big Data Engineer

IBM C2090-101

Version Demo

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QUESTION NO: 1

Which of the following statements regarding Sqoop is TRUE? (Choose two.)

A. All columns in a table must be imported

B. Sqoop bypasses MapReduce for enhanced performance

C. Each row from a source table is represented as a separate record in HDFS

D. When using a password file, the file containing the password must reside in HDFS

E. Multiple options files can be specified when invoking Sqoop from the command line

ANSWER: C E

Explanation:

Reference: https://data-flair.training/blogs/apache-sqoop-tutorial/

QUESTION NO: 2

Which file format support Column data compression? (Choose two.)

A. Text

B. Avro

C. RCFile

D. Parquet

E. Sequence_text

ANSWER: C D

QUESTION NO: 3

Which of the following statements are TRUE regarding the use of Data Click to load data into BigInsights? (Choose two.)

A. Big SQL cannot be used to access the data moved in by Data Click because the data is in Hive

B. You must import metadata for all sources and targets that you want to make available for Data Click activities

C. Connections from the relational database source to HDFS are discovered automatically from within Data Click

D. Hive tables are automatically created every time you run an activity that moves data from a relational database into HDFS

E. HBase tables are automatically created every time you ran an activity that moves data from a relational database into HDFS

ANSWER: C E

Explanation:

Reference: https://www.ibm.com/support/knowledgecenter/en/SSZJPZ_11.3.0/com.ibm.swg.im.iis.dataclick.doc/topics/hivetables.html

QUESTION NO: 4

Which of the following are CRUD operations available in HBase? (Choose two.)

A. HTable.Put

B. HTable.Read

C. HTable.Delete

D. HTable.Update

E. HTable.Remove

ANSWER: A C

Explanation:

Reference: https://www.tutorialspoint.com/hbase/hbase_client_api.htm

QUESTION NO: 5

One option to import data to your BigInsights cluster is to use Sqoop.

Which of the following examples shows a data exchange with a DB2 database by using the builtin DB2 connector?

A. $SQOOP_HOME/bin/sqoop export --connect jdbc:db2://db2.my.com:50000/myDB --username db2user --password db2pwd --table db2tbl --export-dir /sqoop/dataFile.csv

B. $SQOOP_HOME/bin/sqoop import -connect jdbc:db2://db2.my.com:50000/testdb -username db2user -password db2pwd -table db2tbl -split-by tbl_primarykey -target-dir sqoopimports

C. $SQOOP_HOME/bin/sqoop import --connect jdbc:db2://db2.my.com:50000/testdb --username db2user --password db2pwd --table db2tbl --split-by tbl_primarykey --target-dir sqoopimports

D. $BIGINSIGHTS_HOME/bin/sqoop import --connect jdbc:db2://db2.my.com:50000/testdb -username db2user --password db2pwd --table db2tbl --split-by tbl_primarykey --target-dir sqoopimports

ANSWER: C

Explanation:

Reference: https://www.ibm.com/support/knowledgecenter/SSPT3X_3.0.0/com.ibm.swg.im.infosphere.biginsights.import.doc/doc/data_warehouse_sqoop.html

QUESTION NO: 6

Considering the following properties:

- Automated creation of target database schema and bulk extract and load
- Real-time replication subscriptions (with CDC)
- Managed workload for optimized performance of potentially thousands of artifacts
- Ensured governance around both data access as well as for metadata capture (to support data lineage and impact assessment)

Which tool supports all of the above?

A. Pig

B. JAQL

C. Data Click

D. BigSheets

ANSWER: A

Explanation:

Reference: http://meta7.forsythe.com/_wss/clients/508/news_feed/20151130202508951.pdf

QUESTION NO: 7

When we create a new table in Hive, which clause can be used in HiveSQL to indicate the storage file format?

A. SAVE AS

B. MAKE AS

C. FORMAT AS

D. STORED AS

ANSWER: D

QUESTION NO: 8

Which of the following is NOT a characteristic of a consistent region?

A. Support for non-deterministic applications

B. Support for single-threaded operators only

C. Allows “at-least-once” processing by using replayable data sources

D. Allows “exactly-once” processing if using an external system that can detect duplicate tuples or can restore its state after a failure

ANSWER: B

Explanation:

Reference: https://developer.ibm.com/streamsdev/2015/02/20/processing-tuples-least-infospherestreams-consistent-regions/

QUESTION NO: 9

Which of the following Hadoop command flags are used to copy data to the HDFS? (Choose two.)

A. cp

B. put

C. get

D. copyToLocal

E. copyFromLocal

ANSWER: D E

Explanation:

Reference: https://www.ibm.com/support/knowledgecenter/SSPT3X_4.2.0/com.ibm.swg.im.infosphere.biginsights.import.doc/doc/data_rest_shell.html

QUESTION NO: 10

Which of the following is not a data-processing operations that is supported in Pig Latin?

A. filter

B. joins

C. group by

D. logistic regression

ANSWER: D

Explanation:

Reference: https://pig.apache.org/docs/r0.15.0/basic.html

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