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QUESTION 1

Which one of the following classes would a Pig command use to store data in a table defined in HCatalog?

A. org.apache.hcatalog.pig.HCatOutputFormat

B. org.apache.hcatalog.pig.HCatStorer

C. No special class is needed for a Pig script to store data in an HCatalog table

D. Pig scripts cannot use an HCatalog table

Correct Answer: B

QUESTION 2

Which best describes how TextInputFormat processes input files and line breaks?

A. Input file splits may cross line breaks. A line that crosses file splits is read by the RecordReader of the split that contains the beginning of the broken line.

B. Input file splits may cross line breaks. A line that crosses file splits is read by the RecordReaders of both splits containing the broken line.

C. The input file is split exactly at the line breaks, so each RecordReader will read a series of complete lines.

D. Input file splits may cross line breaks. A line that crosses file splits is ignored.

E. Input file splits may cross line breaks. A line that crosses file splits is read by the RecordReader of the split that contains the end of the broken line.

Correct Answer: A

Reference: How Map and Reduce operations are actually carried out

QUESTION 3

Assuming the following Hive query executes successfully:

```
from inputdata select context_ngrams(sentences(lines),
array("you", "are", null), 80);
```

Which one of the following statements describes the result set?

A. A bigram of the top 80 sentences that contain the substring "you are" in the lines column of the input data A1 table.

B. An 80-value ngram of sentences that contain the words "you" or "are" in the lines column of the inputdata table.

C. A trigram of the top 80 sentences that contain "you are" followed by a null space in the lines column of the inputdata table.

D. A frequency distribution of the top 80 words that follow the subsequence "you are" in the lines column of the inputdata table.

Correct Answer: D

QUESTION 4

You have written a Mapper which invokes the following five calls to the OutputColletor.collect method:

output.collect (new Text ("Apple"), new Text ("Red")) ;

output.collect (new Text ("Banana"), new Text ("Yellow")) ;

output.collect (new Text ("Apple"), new Text ("Yellow")) ;

output.collect (new Text ("Cherry"), new Text ("Red")) ;

output.collect (new Text ("Apple"), new Text ("Green")) ;

How many times will the Reducer\\'s reduce method be invoked?

A. 6

B. 3

C. 1

D. 0

E. 5

Correct Answer: B

Explanation: reduce() gets called once for each [key, (list of values)] pair. To explain, let\\'s say you called:

out.collect(new Text("Car"),new Text("Subaru");

out.collect(new Text("Car"),new Text("Honda");

out.collect(new Text("Car"),new Text("Ford");

out.collect(new Text("Truck"),new Text("Dodge");

out.collect(new Text("Truck"),new Text("Chevy");

Then reduce() would be called twice with the pairs reduce(Car,)

reduce(Truck,)

Reference: Mapper output.collect()?

QUESTION 5

Which one of the following statements regarding the components of YARN is FALSE?

A. A Container executes a specific task as assigned by the ApplicationMaster

B. The ResourceManager is responsible for scheduling and allocating resources

C. A client application submits a YARW job to the ResourceManager

D. The ResourceManager monitors and restarts any failed Containers

Correct Answer: D