



# HDPCD<sup>Q&As</sup>

Hortonworks Data Platform Certified Developer

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### QUESTION 1

Which one of the following statements describes the relationship between the NodeManager and the ApplicationMaster?

- A. The ApplicationMaster starts the NodeManager in a Container
- B. The NodeManager requests resources from the ApplicationMaster
- C. The ApplicationMaster starts the NodeManager outside of a Container
- D. The NodeManager creates an instance of the ApplicationMaster

Correct Answer: D

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### QUESTION 2

Which YARN component is responsible for monitoring the success or failure of a Container?

- A. ResourceManager
- B. ApplicationMaster
- C. NodeManager
- D. JobTracker

Correct Answer: A

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### QUESTION 3

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

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#### QUESTION 4

Examine the following Hive statements:

```
CREATE TABLE x (name STRING, age INT, zip INT, salary DOUBLE)
ROW FORMAT DELIMITED FIELDS TERMINATED BY
',';
LOAD DATA INPATH 'input/File1' OVERWRITE INTO TABLE x;
SELECT * FROM x SORT BY age;
```

Assuming the statements above execute successfully, which one of the following statements is true?

- A. Each reducer generates a file sorted by age
- B. The SORT BY command causes only one reducer to be used
- C. The output of each reducer is only the age column
- D. The output is guaranteed to be a single file with all the data sorted by age

Correct Answer: A

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#### QUESTION 5

In a MapReduce job with 500 map tasks, how many map task attempts will there be?

- A. It depends on the number of reduces in the job.
- B. Between 500 and 1000.
- C. At most 500.
- D. At least 500.
- E. Exactly 500.

Correct Answer: D

From Cloudera Training Course: Task attempt is a particular instance of an attempt to execute a task ?There will be at least as many task attempts as there are tasks ?If a task attempt fails, another will be started by the JobTracker ?Speculative execution can also result in more task attempts than completed tasks