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State Finished

Completed on Sunday, February 11, 2024, 7:20 AM

Time taken 1 min 48 secs

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

2.00 points out of 2.00

MapReduce needs HDFS in order to read and write data across Workers

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question 2

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Correct

2.00 points out of 2.00

Which of the following describes the map function?

- ☐ a. It converts a relational database into key-value pairs
- ☐ b. It tracks data across multiple tables and clusters in Hadoop
- ☒ c. It processes data to create a list of key-value pairs ✓
- ☐ d. It indexes the data to list all the words occurring in it

Your answer is correct.

The correct answer is:

It processes data to create a list of key-value pairs

Question 3

Correct
2.00 points out of 2.00

ETL is usually done after running a MapReduce function

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 4

Correct
2.00 points out of 2.00

For each "Map" there is always at least one "Reduce" in a MapReduce Job

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 5

Correct

2.00 points out of 2.00

In a word count query using MapReduce, what does the map function do?

- ☐ a. It returns a list with each document as a key and the number of words in it as the value. The master JobTracker sends map and reduce functions to the same machines or nodes in a cluster.
- ☐ b. It creates a list with each word as a key and the number of occurrences as the value.
- ☒ c. It creates a list with each word as a key and every occurrence as value 1. ✓
- ☐ d. It sorts the words alphabetically and returns a list of the most frequently used words.

Your answer is correct.

The correct answer is:

It creates a list with each word as a key and every occurrence as value 1.

◀ Session 4 Lecture - Overview of Map Reduce

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