### **Knowledge Check 10: Data Management in MapReduce Systems**

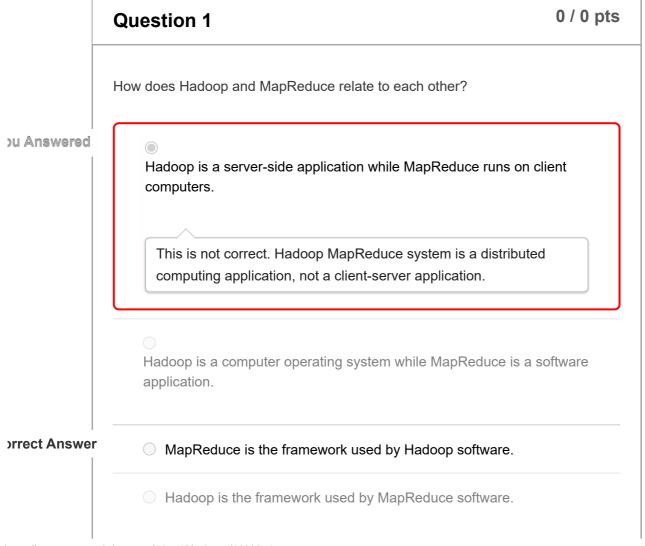
<b>Due</b> No due date	Points 0	Questions 10	
Time Limit None	Allowed Att	empts Unlimited	

Take the Quiz Again

### **Attempt History**

	Attempt	Time	Score
LATEST	Attempt 1	7 minutes	0 out of 0

### Submitted Feb 13 at 8:13pm



# Which of the following is the correct order of functions in the typical processing of big data? The Map function has to finish before the Reduce function starts. Correct! All of the mapping processes in the system must be finished before the Reduce function starts. The Reduce function has to finish before the Map function starts. Map and Reduce functions can run simultaneously. Map and Reduce functions can run in parallel.

## What is the name of the transitional phase between the Map and Reduce phases in a big data process? Data Scrubbing Data shuffling Correct! Data shuffling is an intermediate step between the Map and Reduce phases. Data Mapping Data Mining

### 0 / 0 pts **Question 4** What happens during the data shuffling phase in a typical big data process? Data generated during the reduce phase is routed to different nodes in the cluster. Data generated during the map phase is encrypted to make it secure. Data generated during the reduce phase is encrypted to make it secure. Correct! Data generated during the map phase is routed to different nodes in the cluster. Correct! Data shuffling is an intermediate phase where mapping data is routed to different nodes in the cluster.

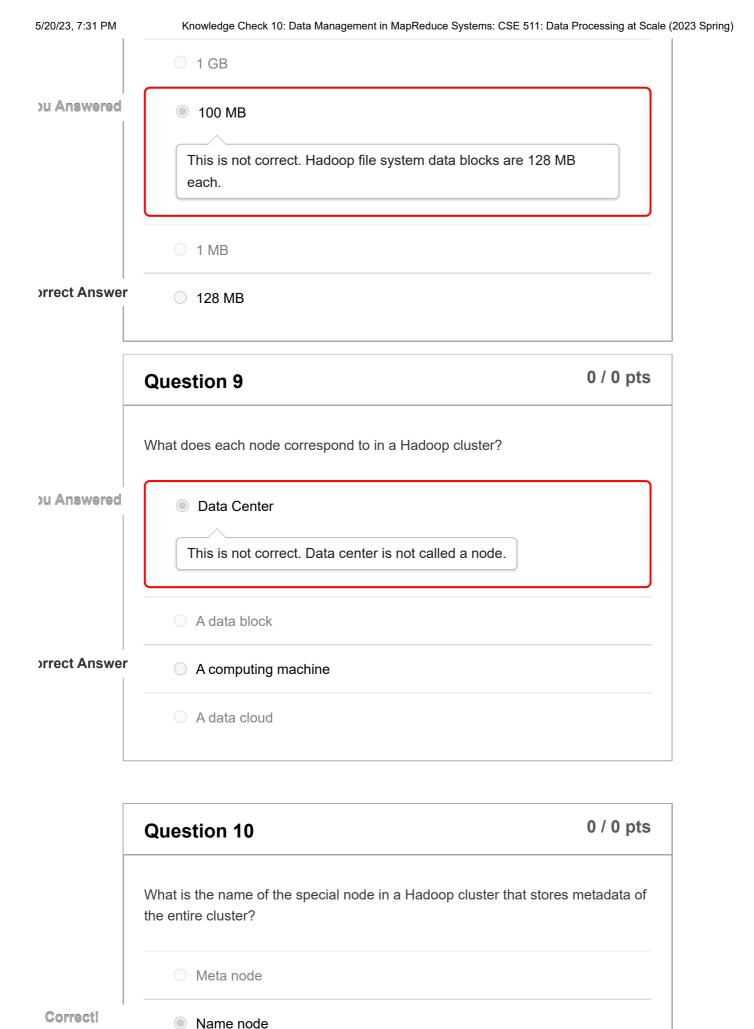
## Which of the following phases in a typical Hadoop process provide full programming control to users? Reduce and Shuffling Compress and Shuffling Map and Reduce Map and Shuffling This is not correct. The shuffling phase is not fully controlled by users.

	Question 6 0 / 0 pts	3
	How many copies of a piece of data are generated by the Hadoop File System (HDFS) in order to allow for fault tolerance?	
	O 8	
Correct!	3	_
	Correct! The HDFS replicates data three times for fault tolerance.	
	O 10	
	O 64	

	Question 7 0 / 0 pts	<b>)</b>
	In which programming language are Map and Reduce functions written?	
Correct!	Java  Map and Reduce functions are written in Java.	-
	O Python OC++	
	O HTML	

Question 8 0 / 0 pts

What is the size of each data block in the Hadoop file system?



Correct! The name node stores metadata of a Hadoop cluster.	
Master node	
Hub node	