CSE427s - 2b Lab2

90% (9/10)

✓ 1. **Recap: the following are the three main components of cloud computing:**

- (A) Compute nodes, Master nodes, and Data nodes
- (B) NameNode, JobTracker, and ResourceManager
- (C) Storage, Processing, and Resource Management
- (D) Batch processing, Stream processing, and Interactive analysis

✓ 2. **Each *Mapper* (*Map Task*) in a MapReduce job executes the *map()* function exactly once.**

- (A) True
- (B) False

✗ 3. **The *Mapper* (*Map task*) processes its input data chunk in parallel.**

- (A) True
- (B) False

✓ 4. **One *Reducer* (*Reduce Task*) gets all the values for a particular key.**

- (A) True
- (B) False

✓ 5. **One *Reducer* (*Reduce Task*) operates exclusively on the values of one unique key.**

- (A) True
- (B) False

✓ 6. **In a Hadoop MapReduce execution the *RecordReader* parses the input data into key-value pairs.**

- (A) True
- (B) False

7. When using Hadoop MapReduce for Big Data applications these functions are typically implemented **by the developer**:

- (A) readinput()
- (B) map()
- (C) sort()
- (D) group()
- (E) reduce()
- (F) writeoutput()

8. Consider the following data: "*dogs and cats are friends. cats eat cat food or mice.*" The following are results of a **word-count MapReduce program**:

- (A) (cat, 3)
- (B) (cats, 1)
- (C) (dogs, 1)
- (D) (cats, 2)
- (E) (cat, 1)

9. You can terminate a MR job by hitting **ctrl+C** or closing the terminal window.

- (A) True
- (B) False

10. Identify the commonly used Mappers and Reducers:

- (A) Filter Mapper
- (B) Filter Reducer
- (C) Sum Reducer
- (D) Average Mapper
- (E) Change Keyspace Mapper