

Name:

Std. Number:

Quiz 6 (Big Data Analytics)

Questions

1. Design MapReduce algorithm to get two matrices as input and output their multiplication. Define exactly Map and Reduce functions.

<http://www.mathcs.emory.edu/~cheung/Courses/554/Syllabus/9-parallel/matrix-mult.html>

2. Design MapReduce algorithm for BFS on graph and use it to find shortest path from a source node.

<http://www.cs.kent.edu/~jin/Cloud12Spring/GraphAlgorithms.pptx>

3. Compare Hadoop and Spark. Describe advantages and disadvantages of each one.

<https://www.datamation.com/data-center/hadoop-vs.-spark-the-new-age-of-big-data.html>