

# Assignment 4

## Map Reduce

1. Large text file word count
  - a. Store a large text file (3-5 MB) on HDFS (on three systems)
  - b. Download and install mapreduce framework
  - c. Write word count programme using the mapreduce framework
  - d. Execute to count the words
  - e. Re-execute programme, shut down one node during execution and observe how mapreduce handles the failure and report.
2. Create large file with records (approx 10,000 rows)
  - a. Roll no, course code, grade
  - b. Write mapreduce programme to compute average grade for each course.

Summit the above report by 21 Oct