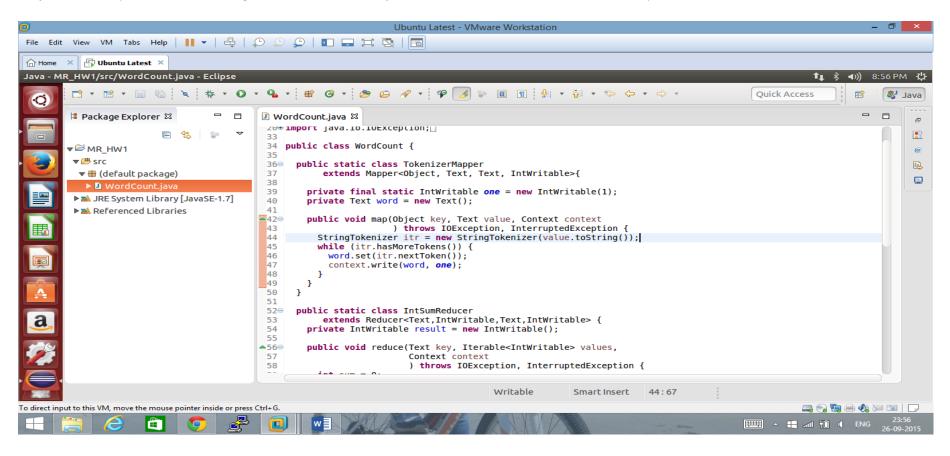
Class Number: CS6240 [Tuesday Evening Section] – Section 01

HW Number: 1

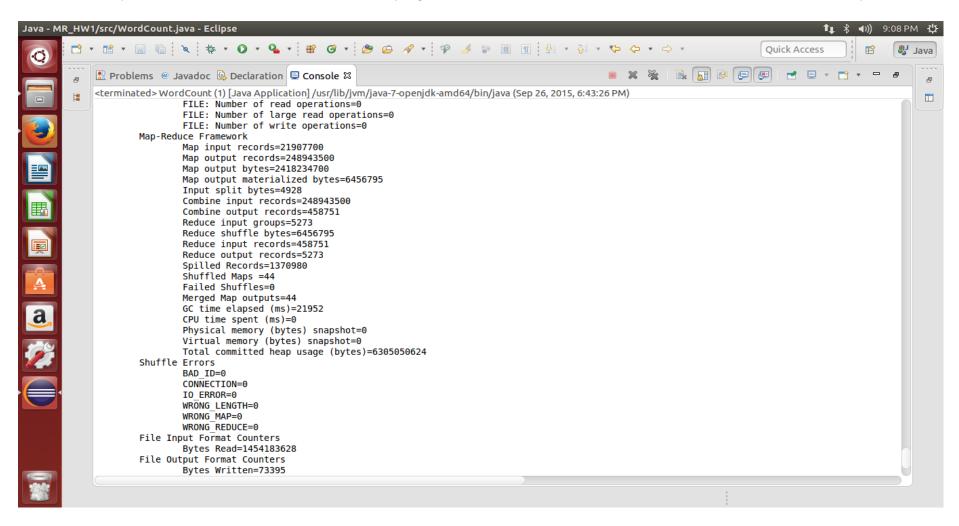
Name: Pavitra Srinivasan

Local Execution

Project directory structure, showing that the WordCount.java file is somewhere in the src directory.

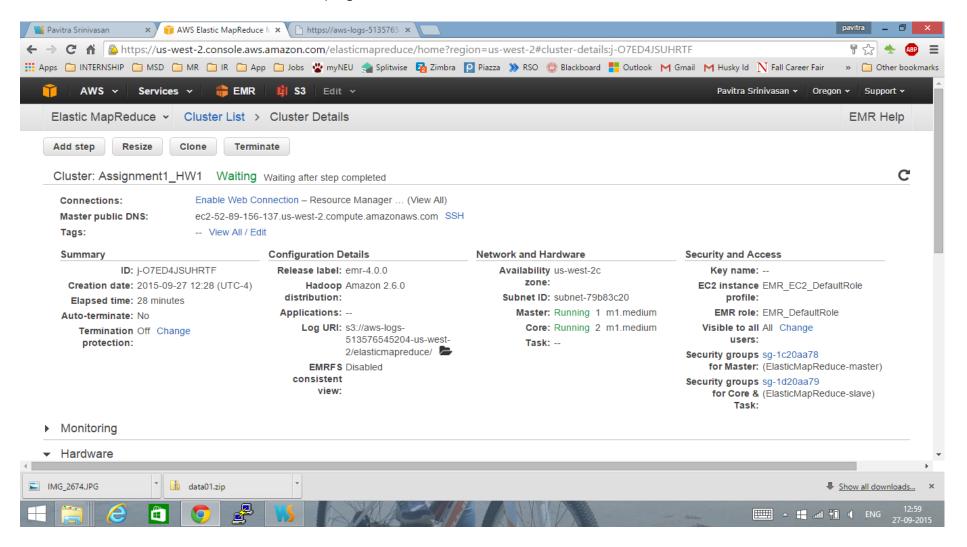


The console output for a successful run of the WordCount program inside the IDE. Show at least the last 20 lines of the console output.

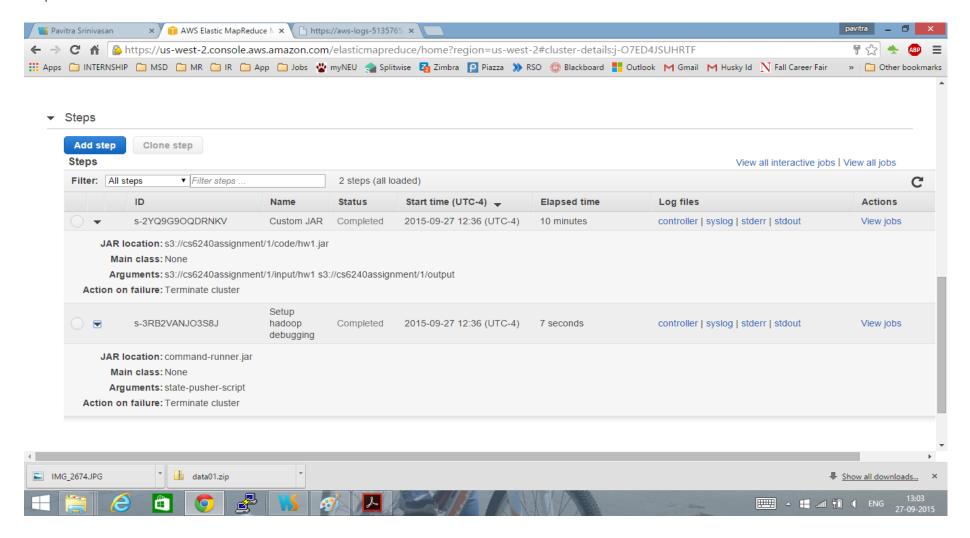


AWS Execution:

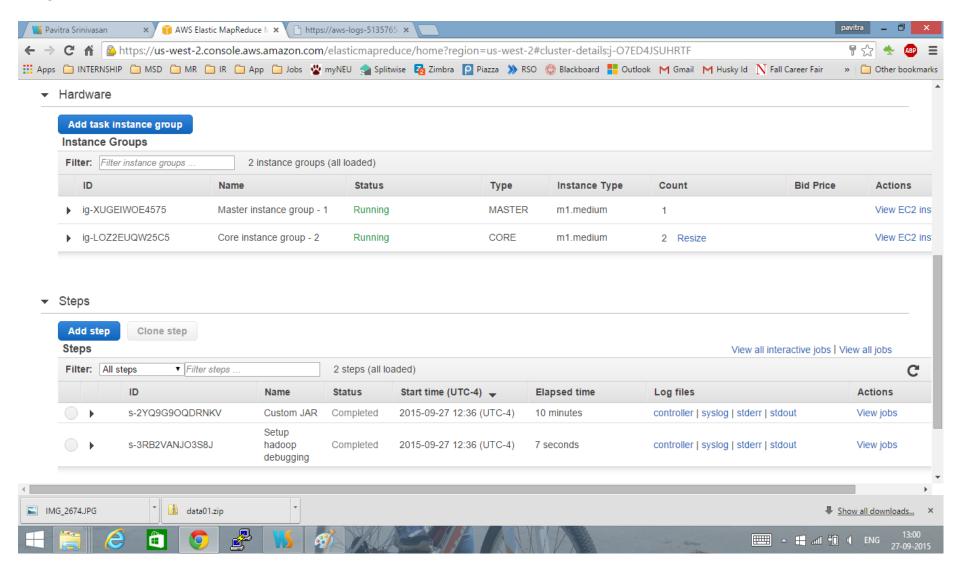
Evidence of a successful run of the WordCount program on AWS.



Step Details:



Using at least three small machines, i.e., one master node and two core nodes



Controller, syslog log files and final result are saved in the folder.

Analysis of Syslog:

The job client submits the job to the resource manager. Then the job client continues to monitor the execution of the job and report back to the console with the progress of the map and reduce containers. That is why we see the map 0% reduce 0%, map 1% reduce 0% and so on. Then the reduce phases i.e. shuffle and sort start to copy the data and group the keys together. Hence you start seeing map 57% reduce 6% and so on. However the actual reduce starts only after mapper finishes. After both mapper and reducer finish, the counter values are written indicating the record details.