#### Task 1:

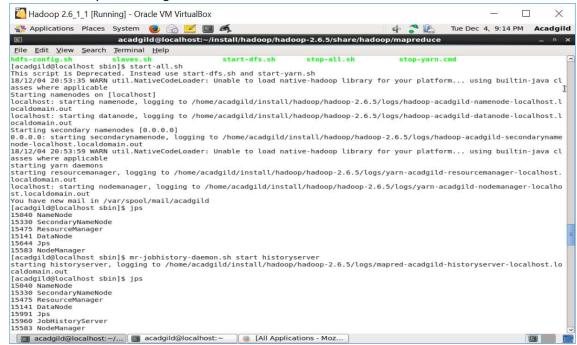
Execute WordMedian , WordMean , WordStandardDeviation programs using hadoop-mapreduce-examples-2.9.0.jar file present in your AcadGild VM. Refer path below.

/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce.

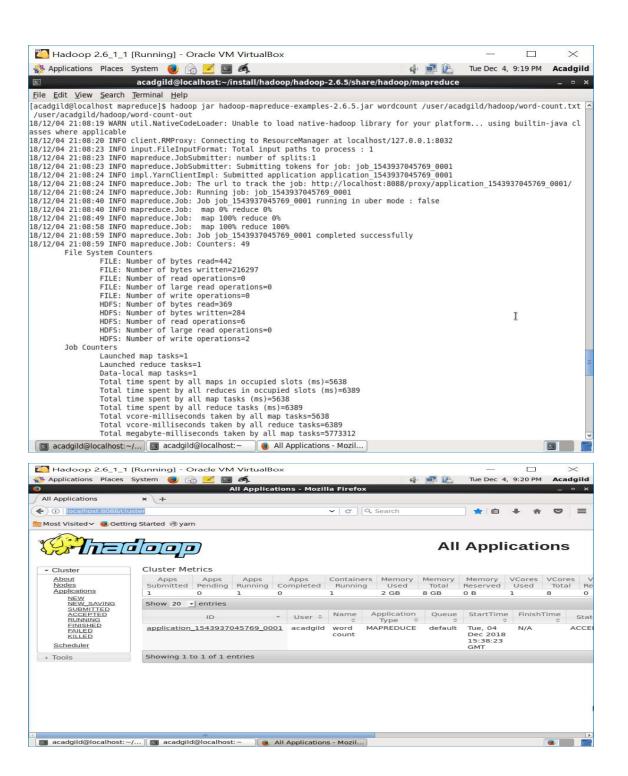
# I have added wordcount output also in my assignment and provided the explanation for it. Rest of the commands I have given the associated screenshots alone

Description of what was done

- 1) Started all the Hadoop services using start-all.sh
- 2) Started the JobHistoryServer using mr-jobhistory-daemon.sh
- 3) Ran JPS to verify the running services



- 4) Opened the Yarn webpage using localhost:8088/cluster link in Firefox
- 5) Changed my current working directory to /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce
- 6) Ran the wordcount mapreduce job using Hadoop jar command. The input file was the one created in previous session at the location /user/acadgild/hadoop/word-count.txt file and the output directory was specified as /user/acadgild/hadoop/word-count-out
- 7) This triggered the job id 1543937045769\_001 and the same was monitored using Yarn webpage

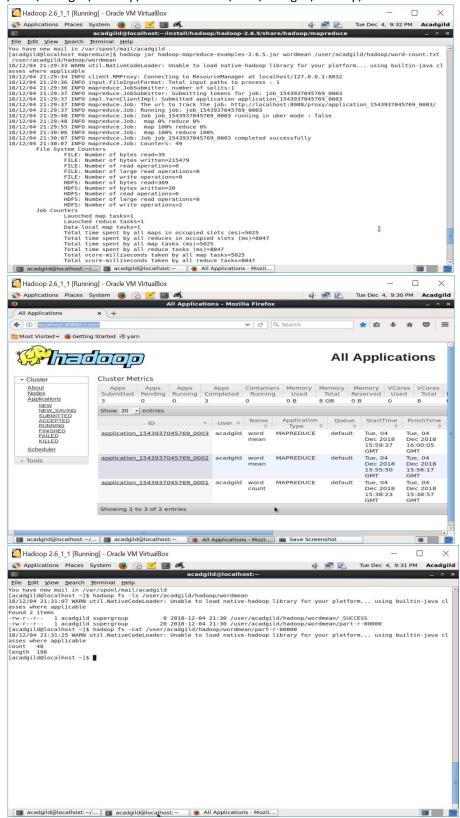


8) Since only one reducer was triggered for processing this file, there was only one part-r\* file created in the output folder specified above. Once the job completed, the content of output file created by this job in /user/acadgild/hadoop/word-count-out/part-r-00000 was displayed using -cat option of Hadoop fs command. This file contained all the words in my input along with the count of occurrence of each of them.



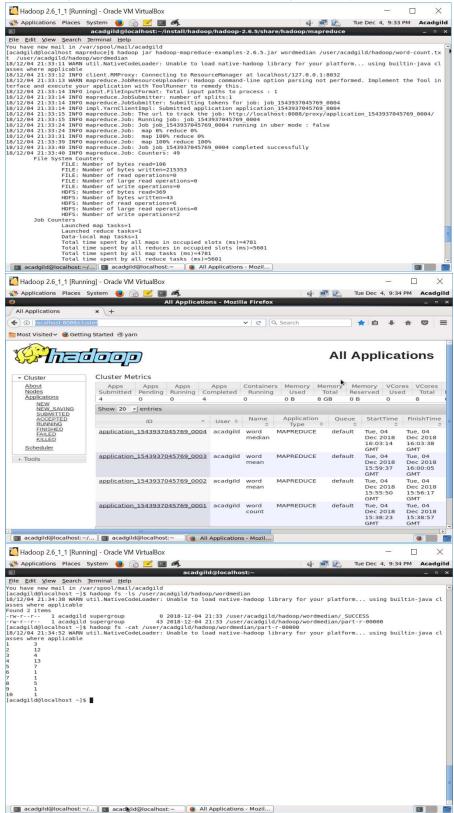
#### 9) Wordmean

Ran "hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordmean /user/acadgild/hadoop/word-count.txt /user/acadgild/hadoop/wordmean"



### 10) Wordmedian

Ran "hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordmedian /user/acadgild/hadoop/word-count.txt /user/acadgild/hadoop/wordmedian"



## 11) Wordstandarddeviation

Ran "hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordstandarddeviation /user/acadgild/hadoop/word-count.txt /user/acadgild/hadoop/wordstandarddeviation"

