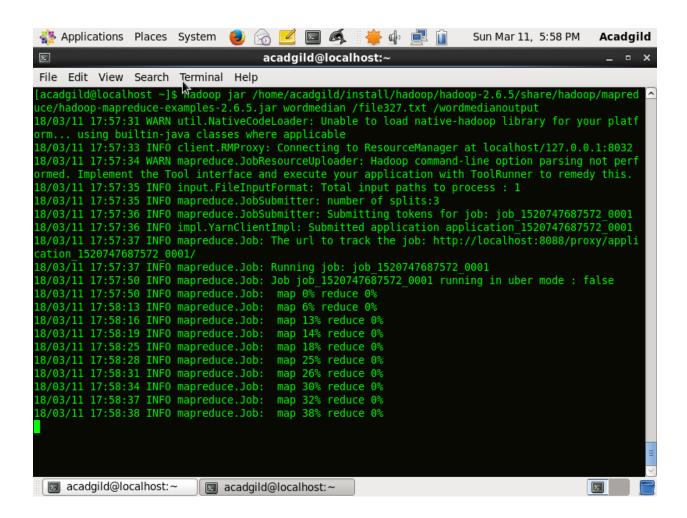
To run the wordmedian map teduce program enter the command hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5./share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar wordmedian /file327.txt /wordmedianoutput

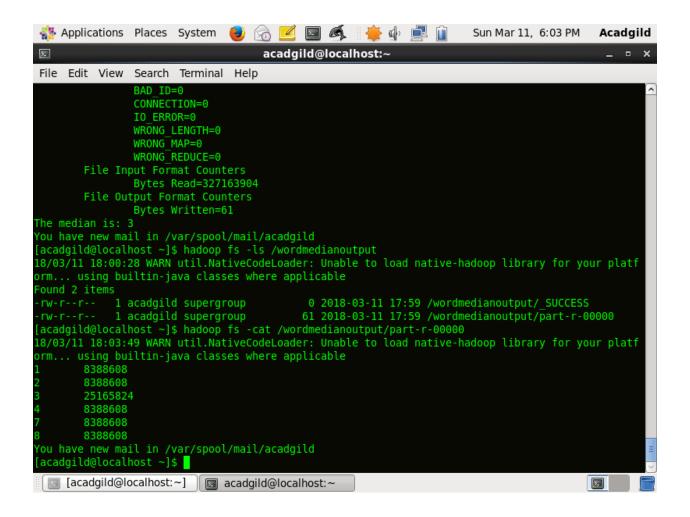
Here, file327.txt is the text file whose median will be found out and the output will be stored in the directory /wordmedianoutput

Alternatively the pathof the jar file could have been specified by \$HADOOP HOME/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar



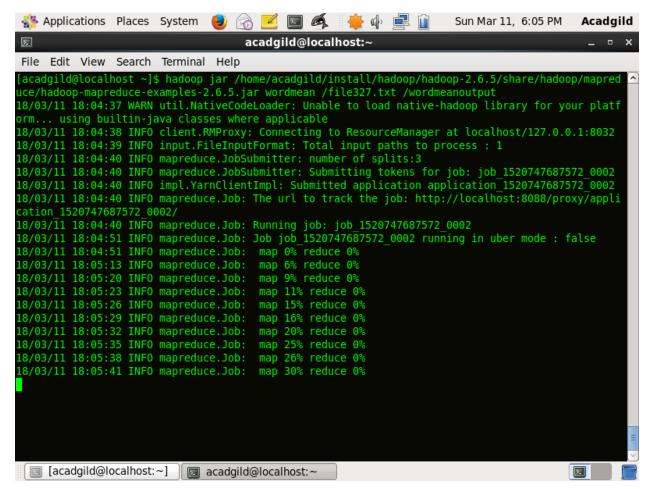
Use command hadoop fs —ls /wordmedianoutput and hadoop fs —cat /wordmedianoutput/part-r-00000 to see your reduced data which is used to compute the median value.

The median is 3 as seen in the screenshot



To run the wordmedian map reduce program enter the command hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar wordmean /file327.txt /wordmeanoutput

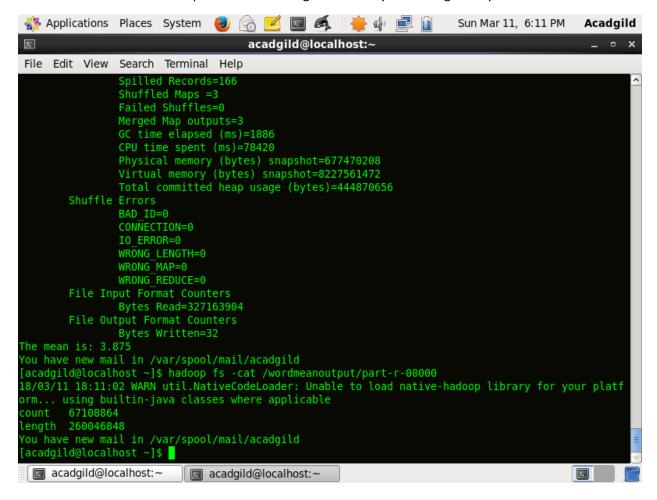
Here, file327.txt is the text file whose mean will be found out and the output will be stored in the directory /wordmeanoutput



Output destination is /wordmeanoutput so run the command hadoop fs —Is /wordmeanoutput to explore the output directory

You can see output of the reducer in the part-r-00000 file so run the command hadoop fs —cat /wordmeanoutput/part-r-00000

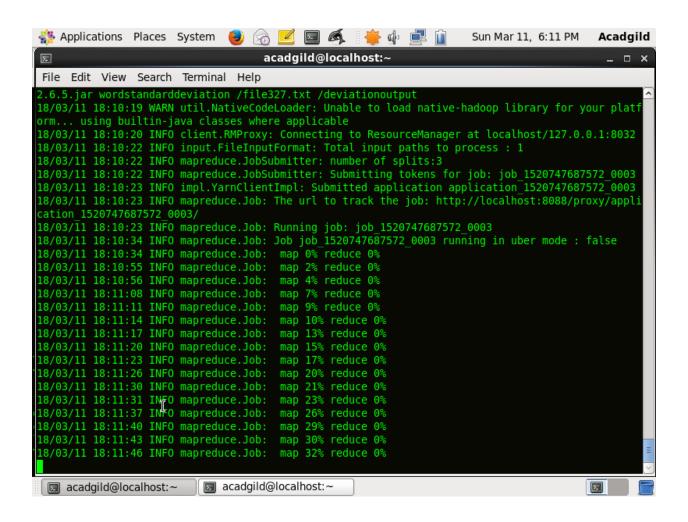
The mean is **3.875** which is equal to value of length divided by count as given by the reducer



To run the standard deviation map reduce program enter the command hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar wordstandarddeviation /file327.txt /deviationoutput

Here, file327.txt is the text file whose standard deviation words will be found out and the output will be stored in the directory /deviationoutput

Alternatively the path of the jar file could have been specified by \$HADOOP HOME/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar



## Screenshot of output:

Standard deviation is obtained as 2.603

