Hadoop Put Command:

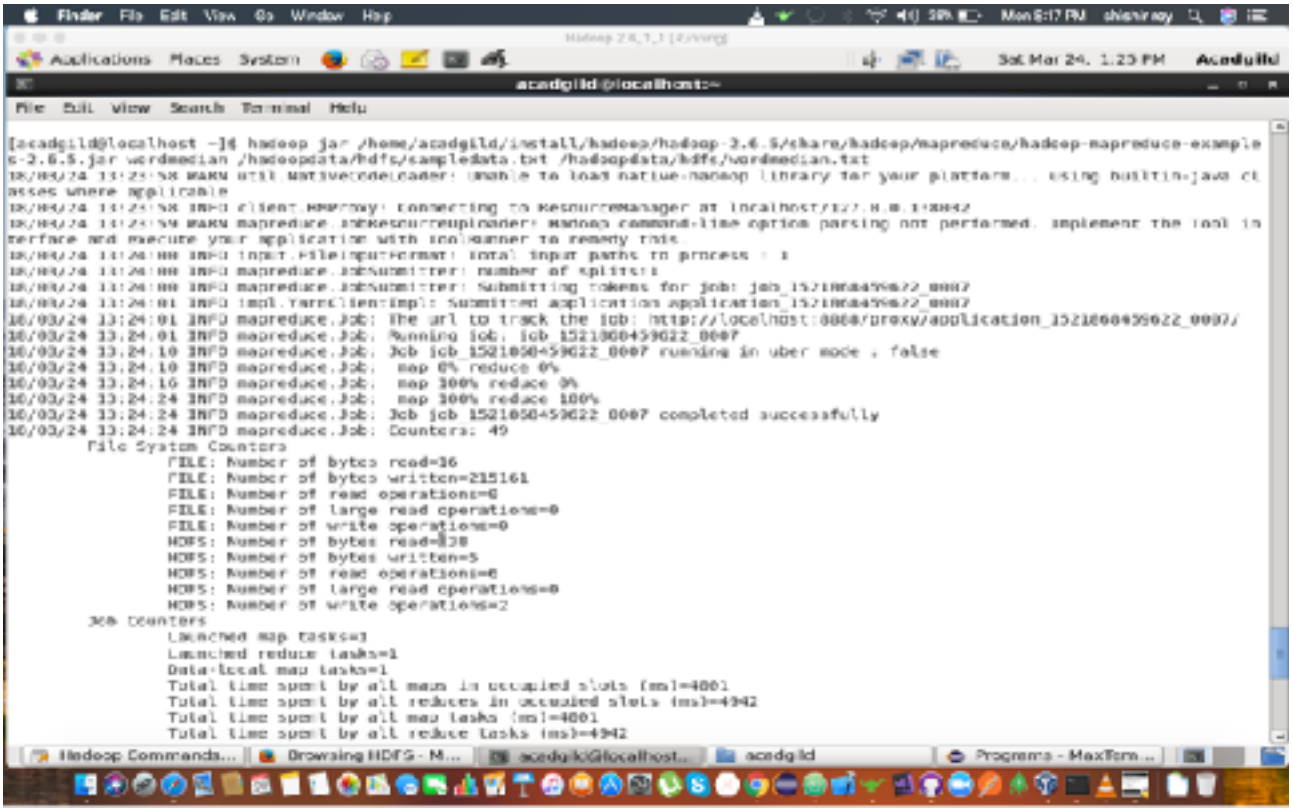
It is used to copy the file from local file to hadoop file system. So i have copied the sample data.txt for Execute WordMedian ,WordMean ,WordStandardDeviation programs using hadoop-mapreduce-examples-2.6.5.jar

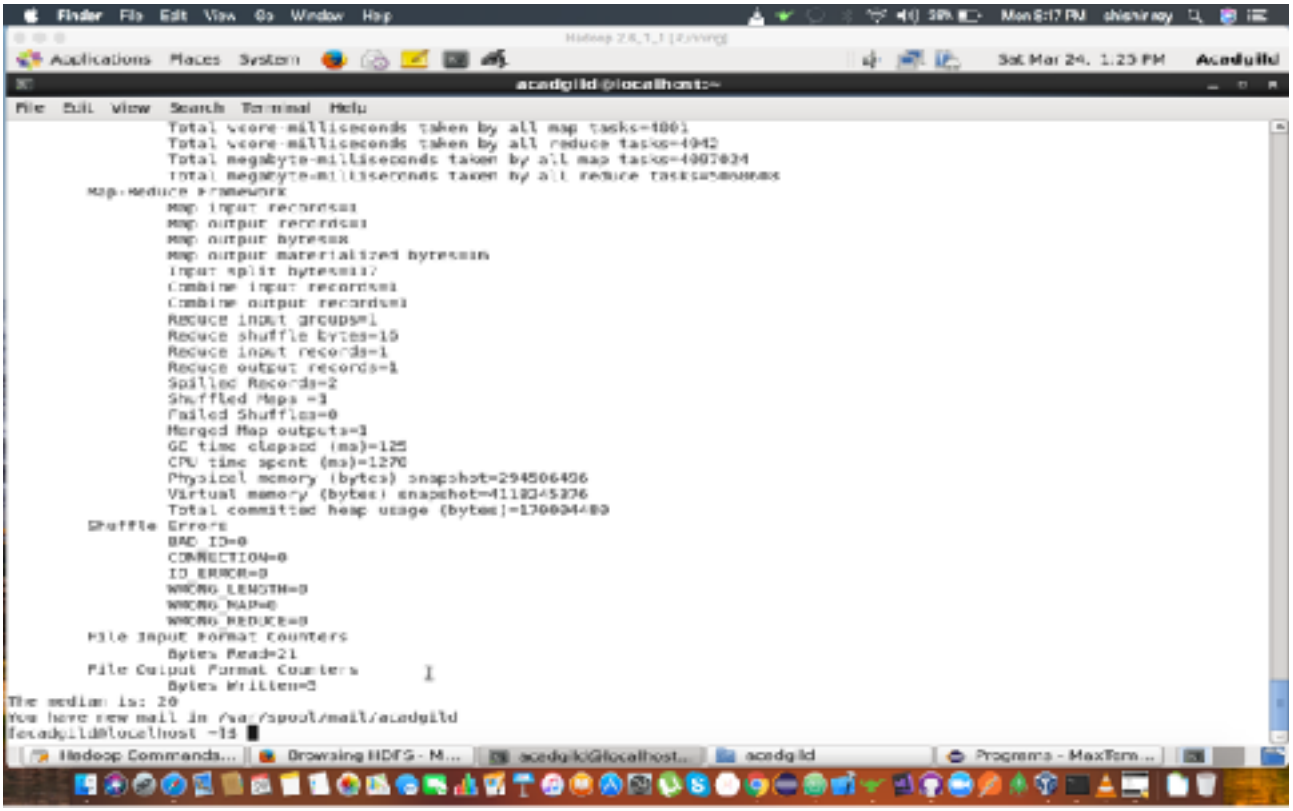
For Example:

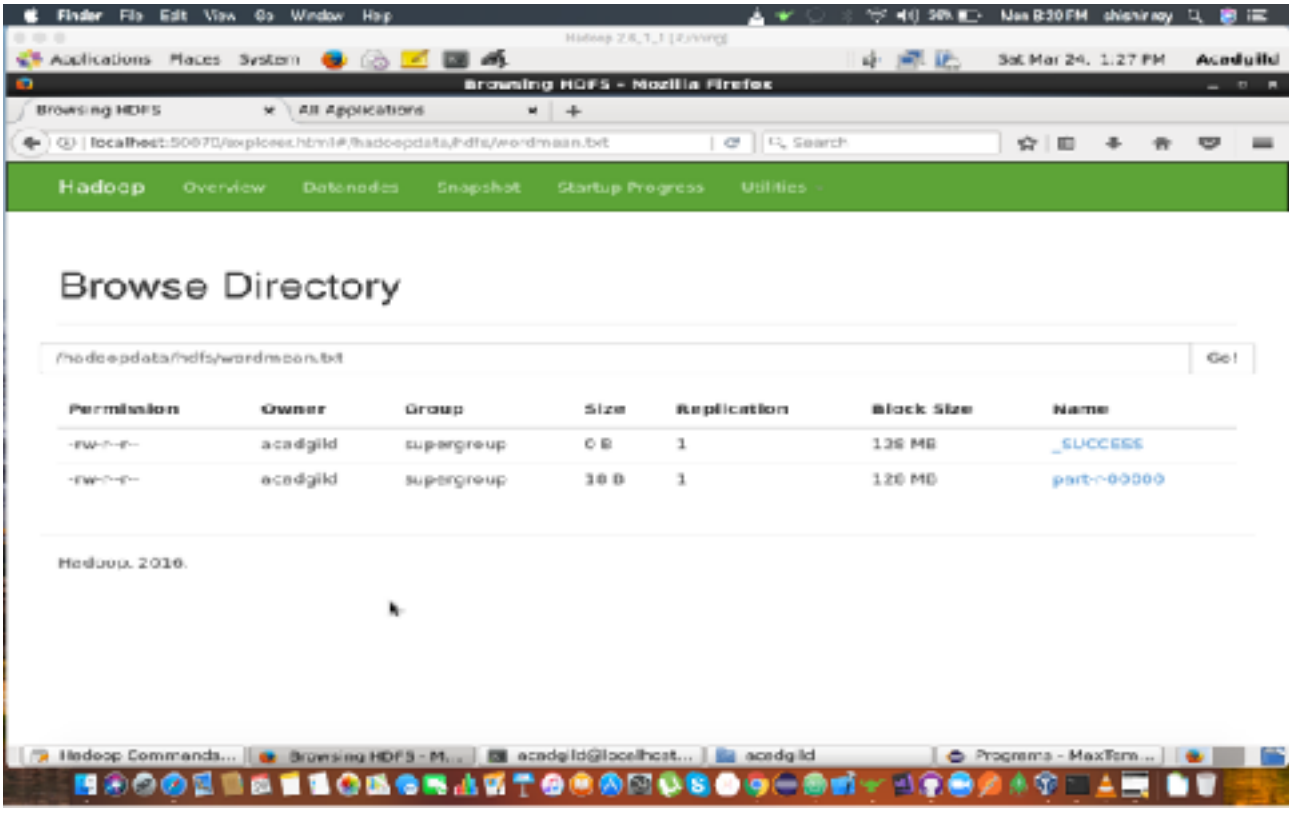
hadoop fs -put /home/acadgild/sampledata.txt /hadoopdata/hdfs/sampledata.txt

Executing hadoop-mapreduce-examples-2.6.5.jar for WordMedian data using below commands

hadoop jar hadoop-mapreduce-examples-2.6.5.jar /hadoopdata/hdfs/sampledata.txt /hadoopdata/hdfs/wordmedian.txt

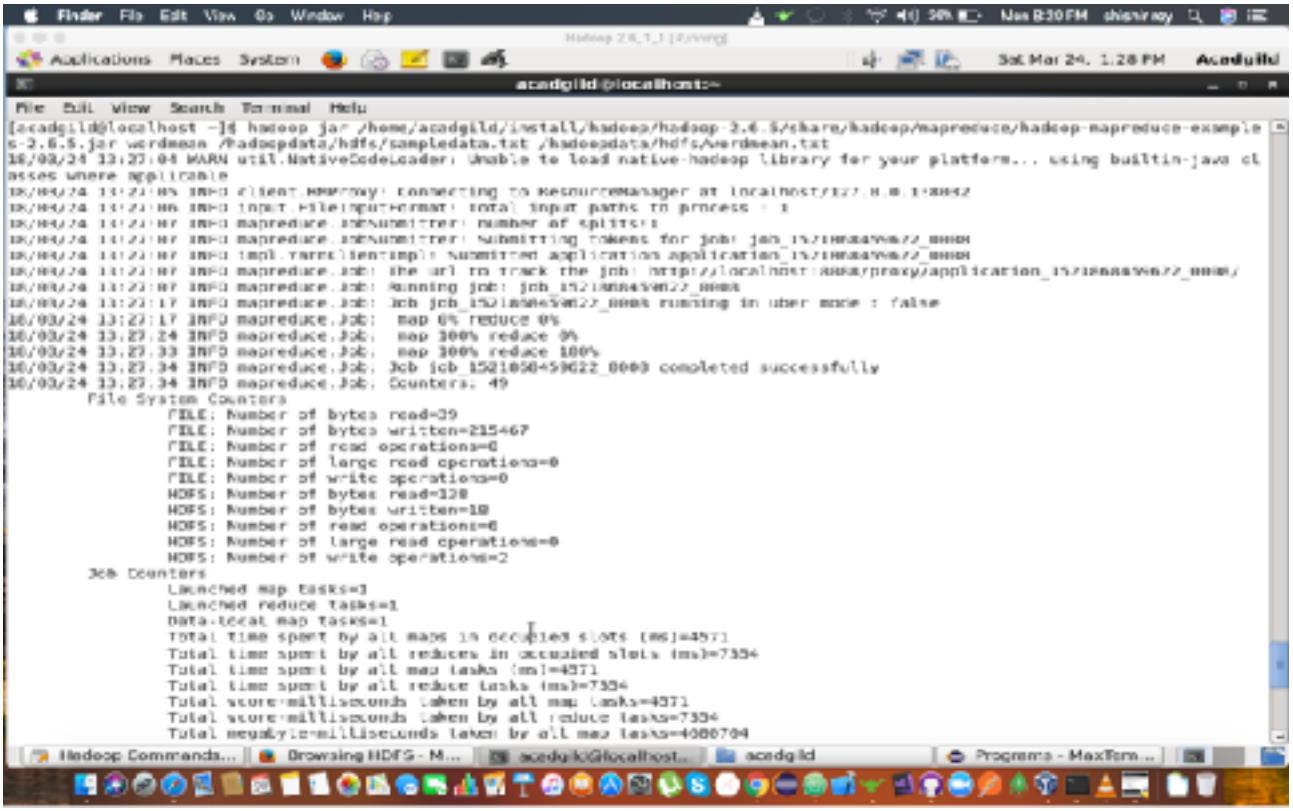


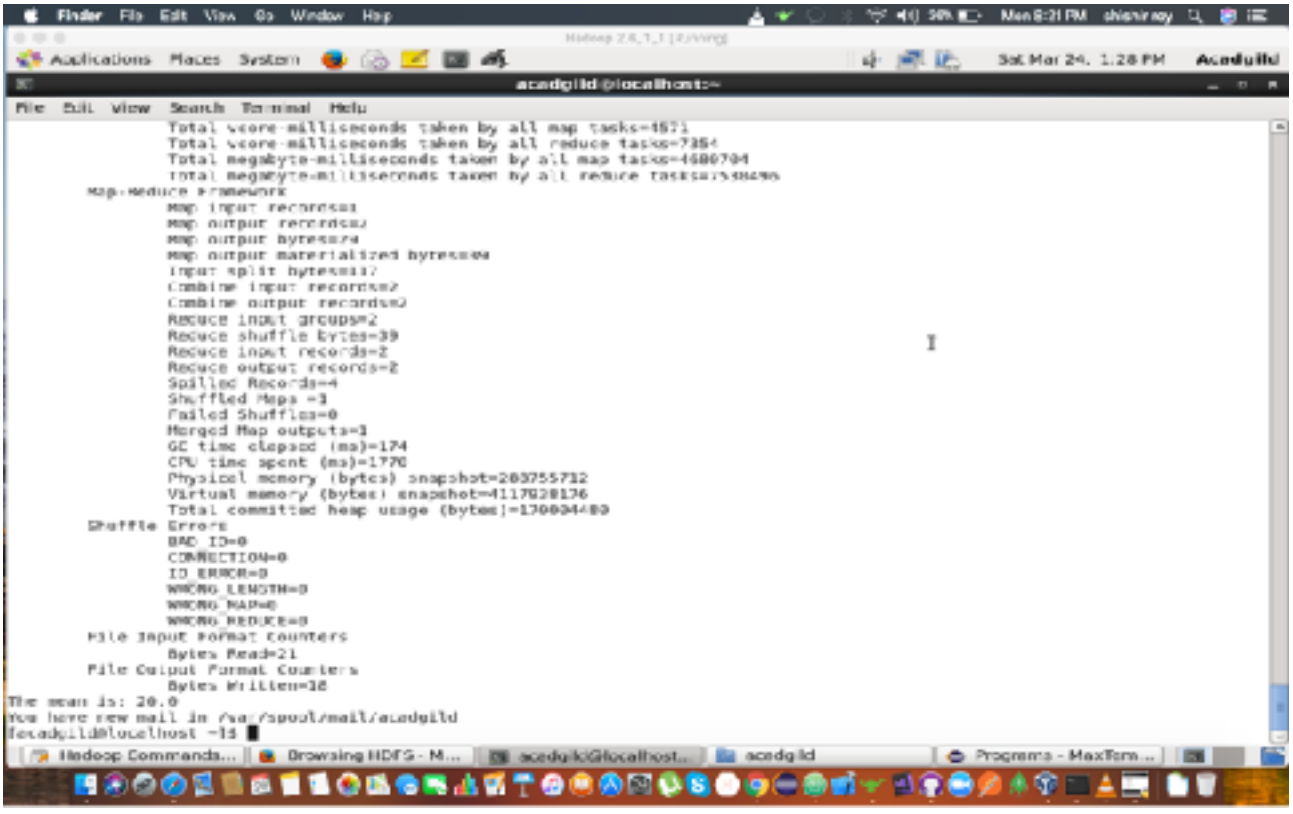

Finder File Edit View Go Window Help
Applications Places System
Sat Mar 24, 1:23 PM
acadgild@localhost:~
File Edit View Search Terminal Help
Total vcore-milliseconds taken by all map tasks=4001
Total vcore-milliseconds taken by all reduce tasks=4042
Total megabyte-milliseconds taken by all map tasks=4097024
Total megabyte-milliseconds taken by all reduce tasks=4139008
Map-Reduce Framework
Map input records=1
Map output records=1
Map output bytes=4
Map output materialized bytes=23
Input split bytes=117
Combine input records=1
Combine output records=1
Reduce input groups=1
Reduce shuffle bytes=19
Reduce input records=1
Reduce output records=1
Spilled Records=2
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=125
CPU time spent (ms)=1270
Physical memory (bytes) snapshot=294506496
Virtual memory (bytes) snapshot=4118245376
Total committed heap usage (bytes)=170004480
Shuffle Errors
BAD_ID=0
CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=0
WRONG_MAP=0
WRONG_REDUCE=0
File Input Format Counters
Bytes Read=21
File Output Format Counters
Bytes Written=5
The median is: 20
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
Hadoop Commands...
Browsing HDFS - M...
acadgild@localhost...
acadgild
Programs - MaxTerm ...

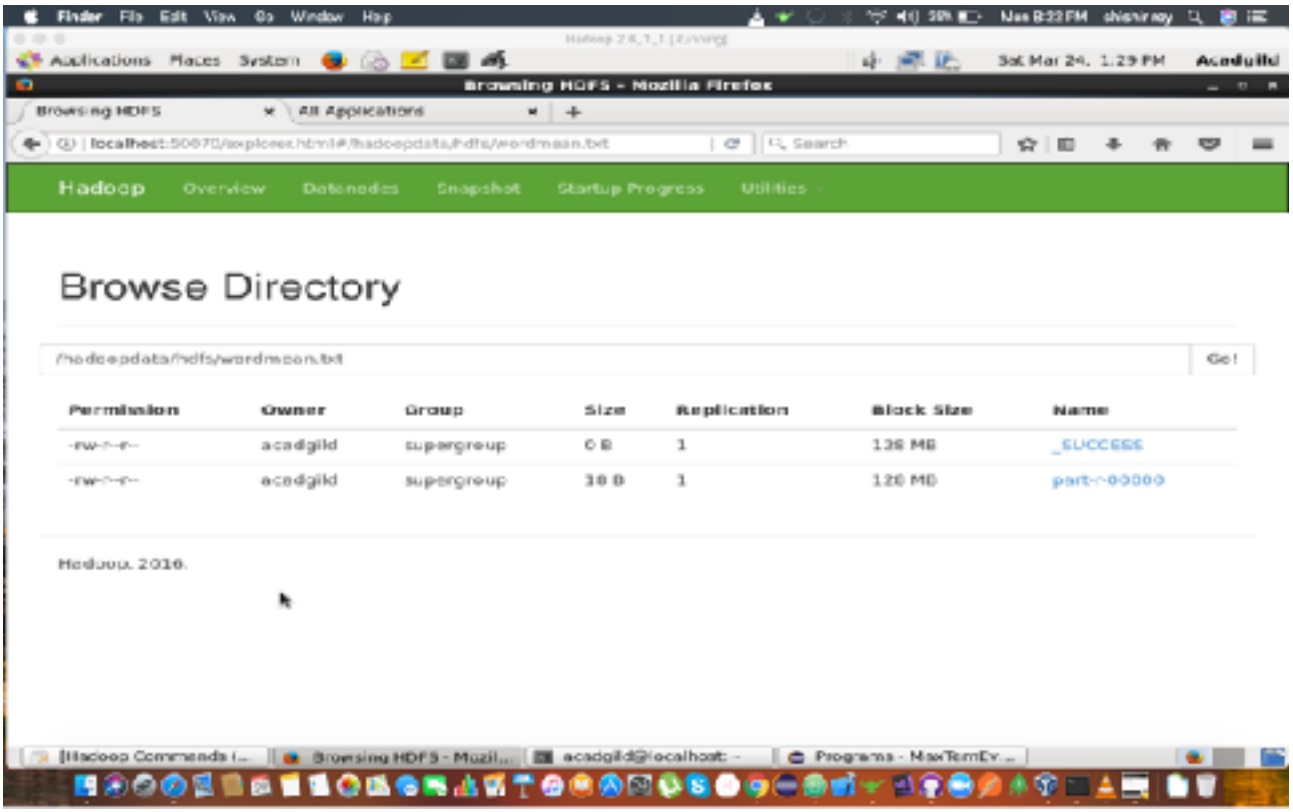

Finder File Edit View Go Window Help
Applications Places System
Sat Mar 24, 1:27 PM
Browsing HDFS - Mozilla Firefox
Browsing HDFS
All Applications
localhost:50070/explorer.html#/hadoopdata/hdfs/wordmaan.txt
Search
Hadoop
Overview
Datanodes
Snapshot
Startup Progress
Utilities
Browse Directory
/hadoopdata/hdfs/wordmaan.txt
Go!
Permission
Owner
Group
Size
Replication
Block Size
Name
-rw-r--r--
acadgild
supergroup
0 B
1
128 MB
_SUCCESS
-rw-r--r--
acadgild
supergroup
30 B
1
128 MB
part-r-00000
Hadoop, 2016.
Hadoop Commands...
Browsing HDFS - M...
acadgild@localhost...
acadgild
Programs - MaxTerm ...

Executing hadoop-mapreduce-examples-2.6.5.jar for WordMean data using below commands

hadoop jar hadoop-mapreduce-examples-2.6.5.jar /hadoopdata/hdfs/sampledata.txt /hadoopdata/hdfs/wordmean.txt

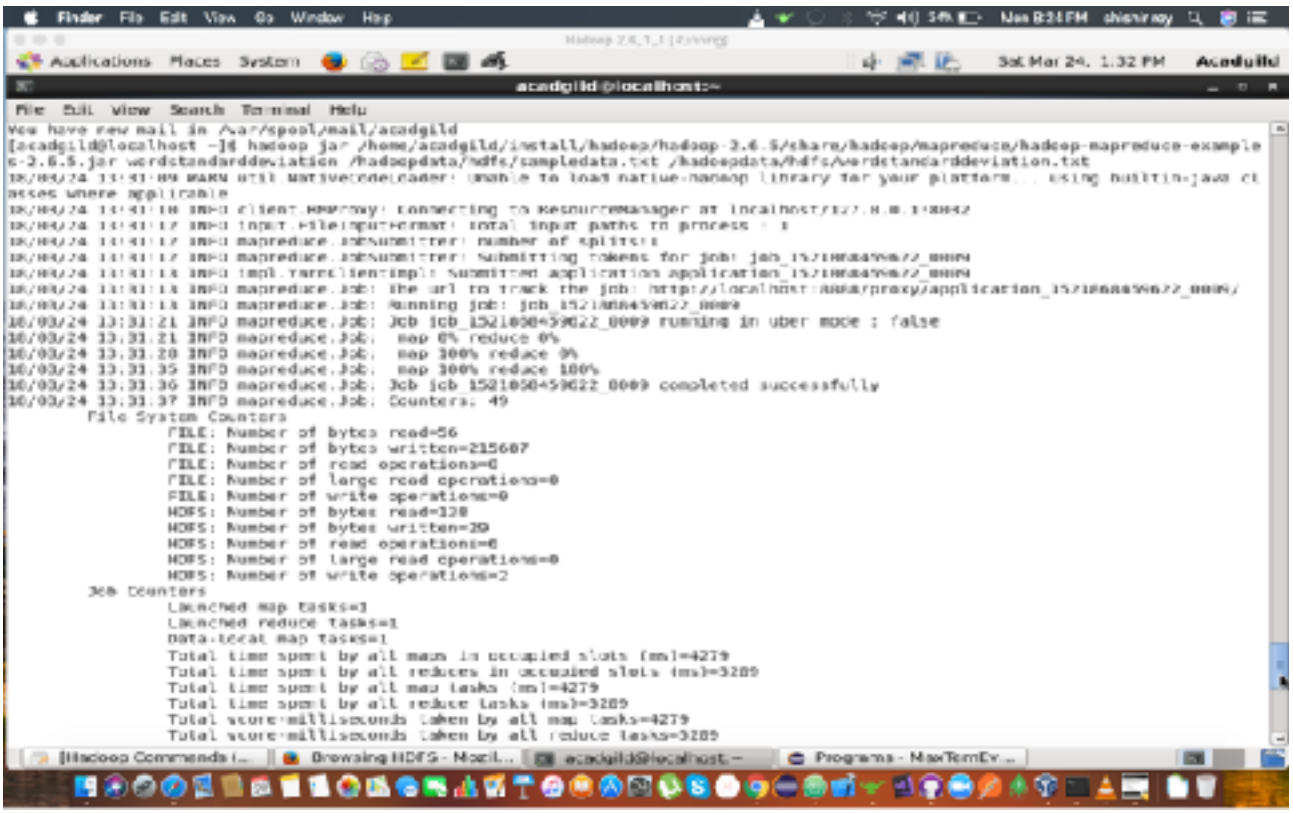


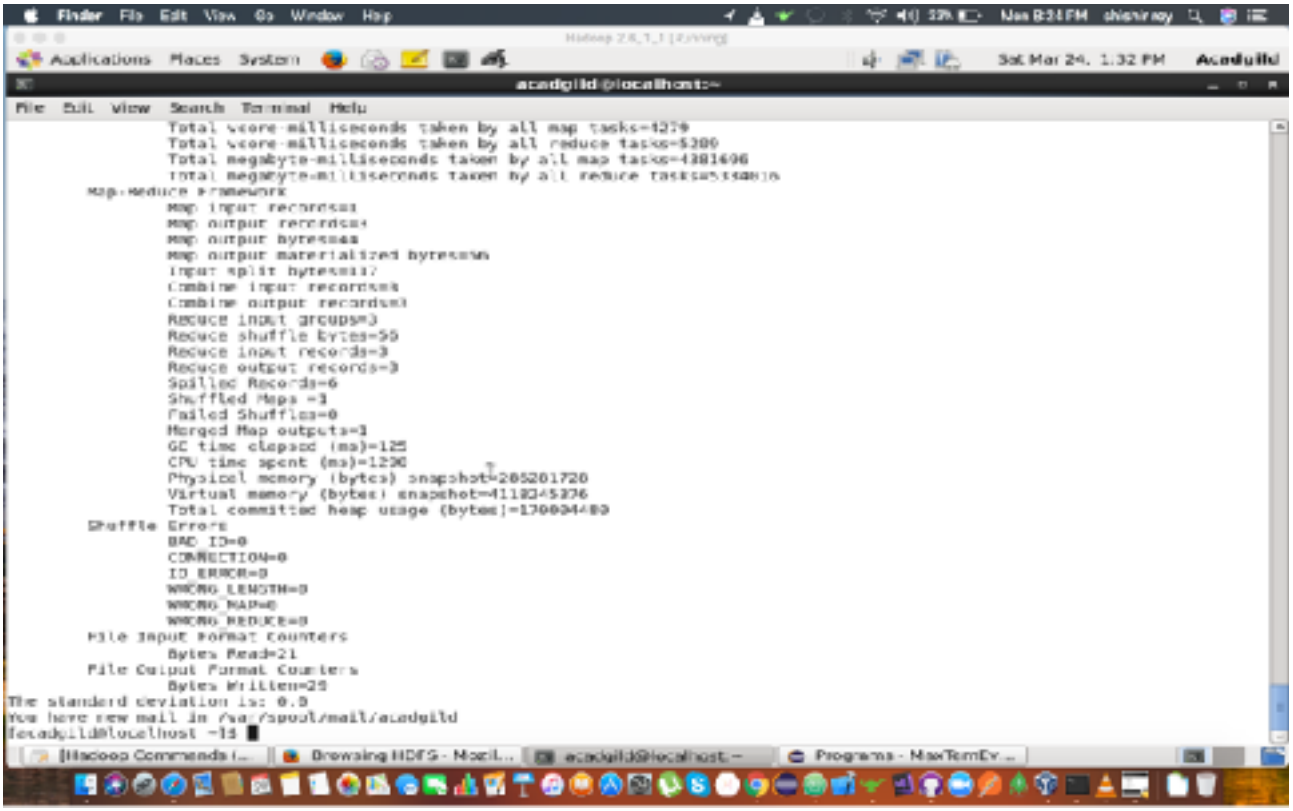


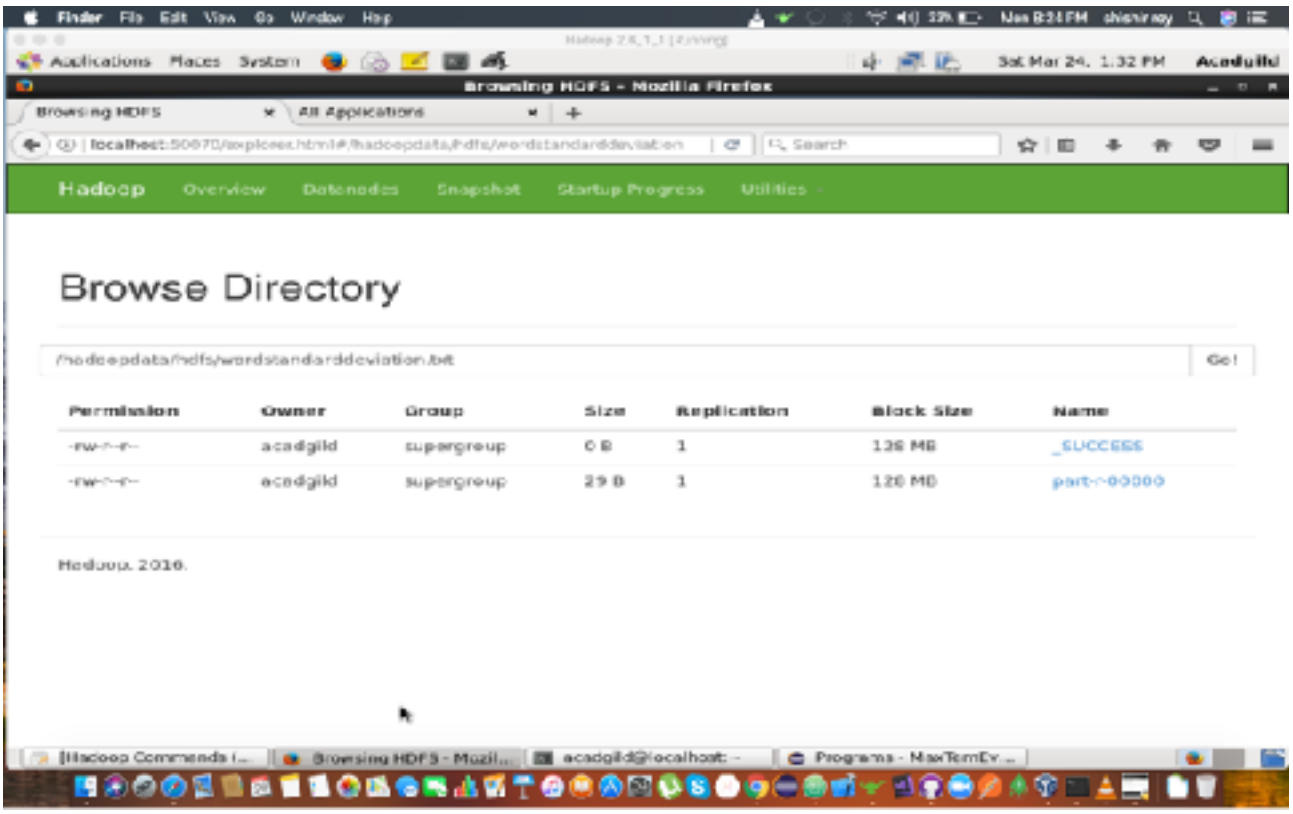


Executing hadoop-mapreduce-examples-2.6.5.jar for WordStandardDeviation data using below commands

hadoop jar hadoop-mapreduce-examples-2.6.5.jar /hadoopdata/hdfs/sampledata.txt /hadoopdata/hdfs/wordstandarddeviation.txt




acadgild@localhost:~
File Edit View Search Terminal Help
Total vcore-milliseconds taken by all map tasks=4279
Total vcore-milliseconds taken by all reduce tasks=5309
Total megabyte-milliseconds taken by all map tasks=4381696
Map-Reduce Framework
Map input records=4
Map output records=4
Map output bytes=44
Input split bytes=117
Combine input records=4
Combine output records=3
Reduce input groups=3
Reduce shuffle bytes=55
Reduce input records=3
Reduce output records=3
Spilled Records=6
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=125
CPU time spent (ms)=1290
Physical memory (bytes) snapshot=285261720
Virtual memory (bytes) snapshot=4118245376
Total committed heap usage (bytes)=170034480
Shuffle Errors
BAD_ID=0
CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=0
WRONG_MAP=0
WRONG_REDUCE=0
File Input Format Counters
Bytes Read=21
File Output Format Counters
Bytes Written=25
The standard deviation is: 0.5
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$


Browsing HDFS - Mozilla Firefox
Hadoop
Overview
Datanodes
Snapshot
Startup Progress
Utilities
Browse Directory
/hadoopdata/hdfs/wordstandarddeviation.txt
Go!
Permission
Owner
Group
Size
Replication
Block Size
Name
-rw-r--r--
acadgild
supergroup
0 B
1
128 MB
_SUCCESS
-rw-r--r--
acadgild
supergroup
29 B
1
128 MB
part-r-00000