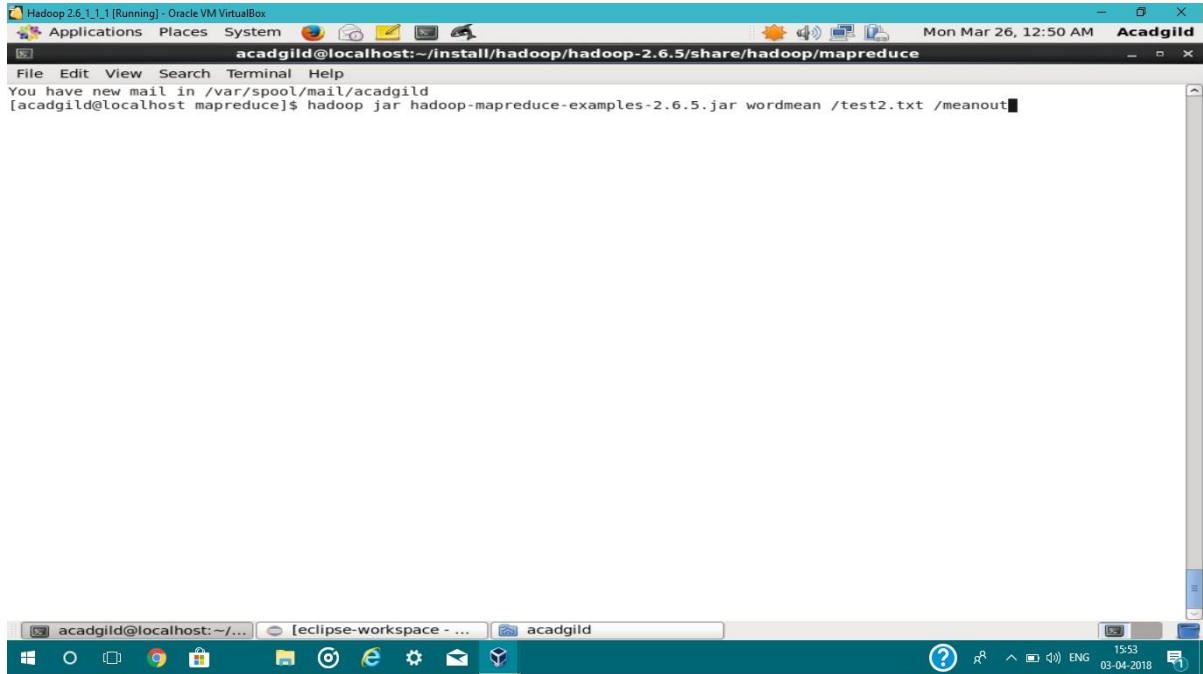
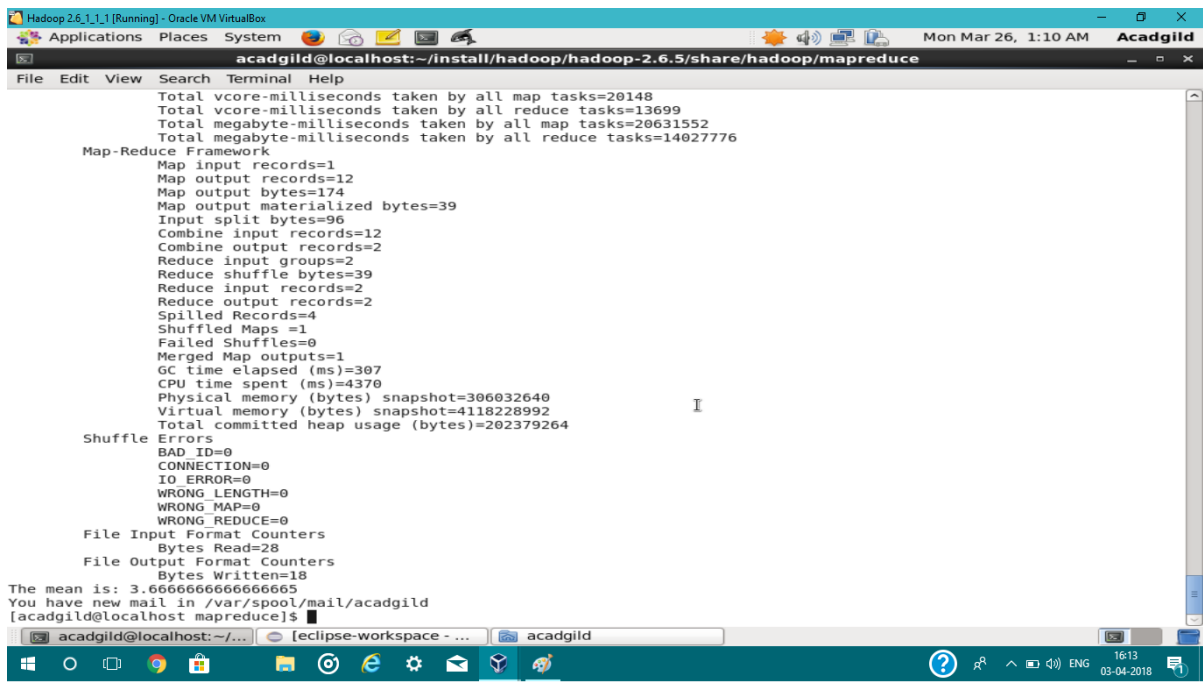


Assignment 3

Word Mean program O/P

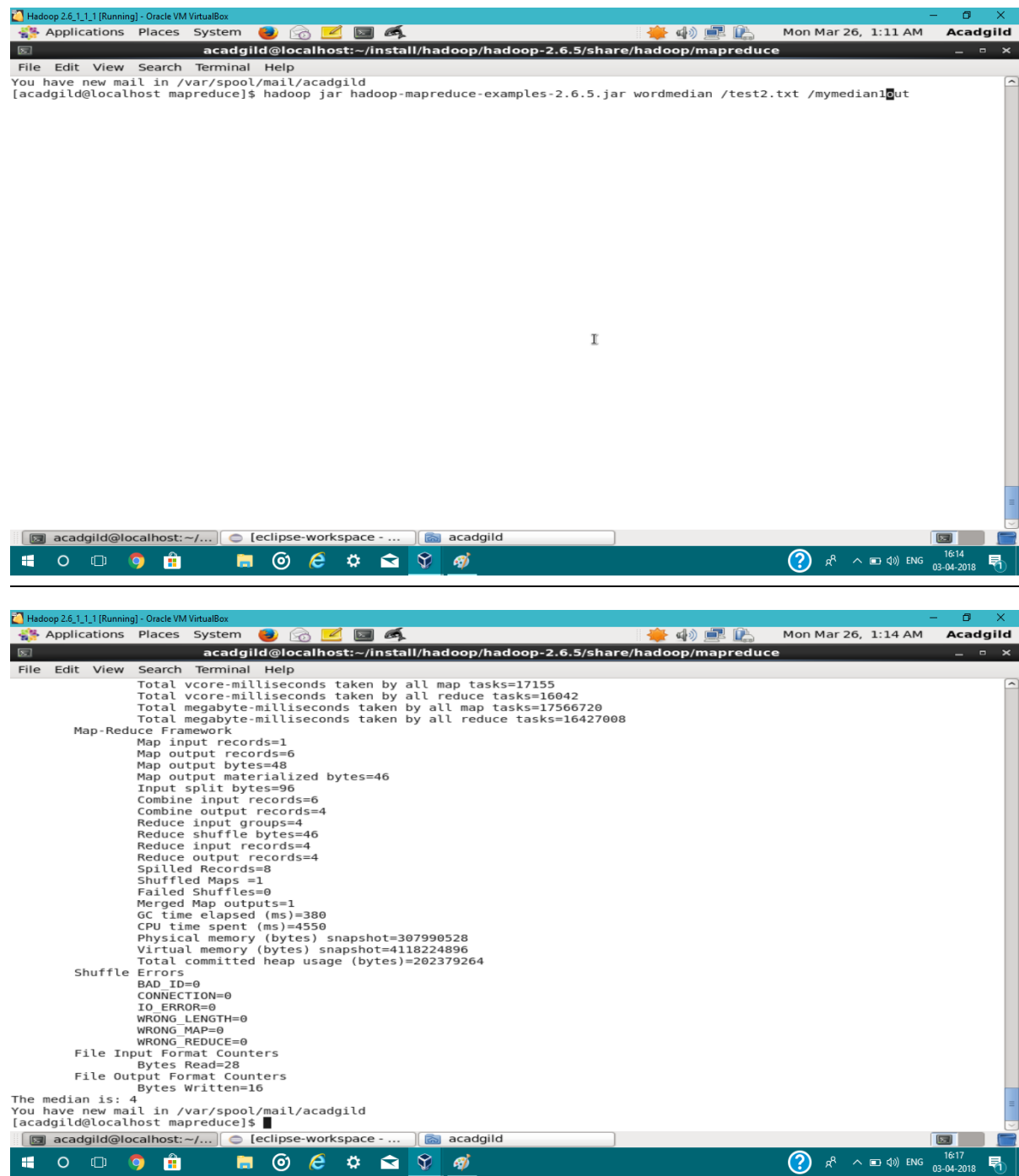


```
acadgild@localhost:~/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost mapreduce]$ hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordmean /test2.txt /meanout
```



```
Total vcore-milliseconds taken by all map tasks=20148
Total vcore-milliseconds taken by all reduce tasks=13699
Total megabyte-milliseconds taken by all map tasks=20631552
Total megabyte-milliseconds taken by all reduce tasks=14027776
Map-Reduce Framework
  Map input records=1
  Map output records=12
  Map output bytes=174
  Map output materialized bytes=39
  Input split bytes=96
  Combine input records=12
  Combine output records=2
  Reduce input groups=2
  Reduce shuffle bytes=39
  Reduce input records=2
  Reduce output records=2
  Spilled Records=4
  Shuffled Maps=1
  Failed Shuffles=0
  Merged Map outputs=1
  GC time elapsed (ms)=307
  CPU time spent (ms)=4370
  Physical memory (bytes) snapshot=306032640
  Virtual memory (bytes) snapshot=4118228992
  Total committed heap usage (bytes)=202379264
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=28
File Output Format Counters
  Bytes Written=18
The mean is: 3.6666666666666665
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost mapreduce]$
```

Word Median program O/P

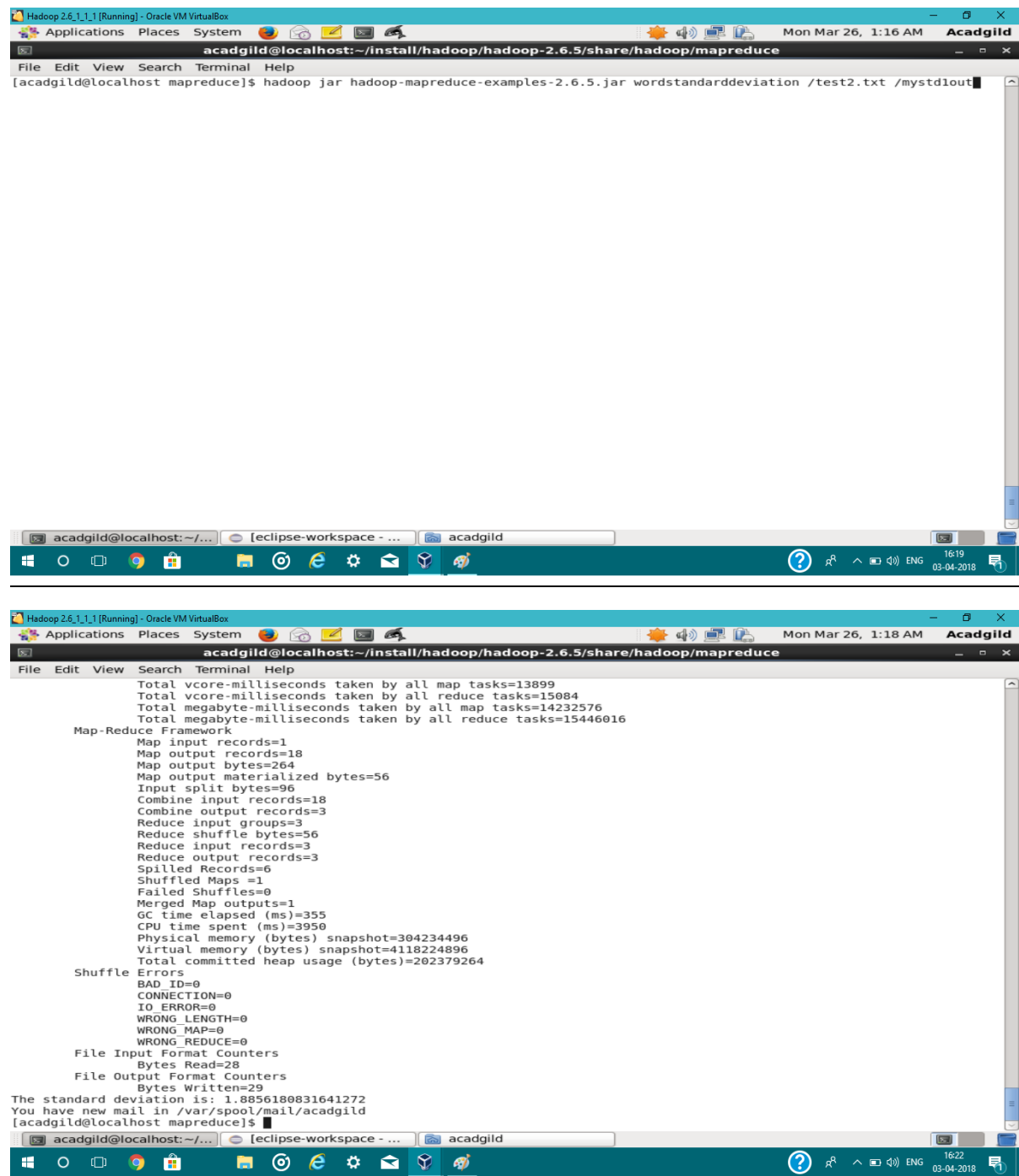


```
Hadoop 2.6.1_1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadmild@localhost:~/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost mapreduce]$ hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordmedian /test2.txt /mymedian1

acadmild@localhost:~/... [eclipse-workspace - ...] acadmild
Mon Mar 26, 1:14 AM

Hadoop 2.6.1_1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadmild@localhost:~/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce
File Edit View Search Terminal Help
Total vcore-milliseconds taken by all map tasks=17155
Total vcore-milliseconds taken by all reduce tasks=16042
Total megabyte-milliseconds taken by all map tasks=17566720
Total megabyte-milliseconds taken by all reduce tasks=16427008
Map-Reduce Framework
Map input records=1
Map output records=6
Map output bytes=48
Map output materialized bytes=46
Input split bytes=96
Combine input records=6
Combine output records=4
Reduce input groups=4
Reduce shuffle bytes=46
Reduce input records=4
Reduce output records=4
Spilled Records=8
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=380
CPU time spent (ms)=4550
Physical memory (bytes) snapshot=307990528
Virtual memory (bytes) snapshot=4118224896
Total committed heap usage (bytes)=202379264
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=28
File Output Format Counters
Bytes Written=16
The median is: 4
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost mapreduce]$
```

Word Standard Deviation program O/P



```
acadgild@localhost:~/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce
[acadgild@localhost mapreduce]$ hadoop jar hadoop-mapreduce-examples-2.6.5.jar wordstandarddeviation /test2.txt /mystdout

Total vcore-milliseconds taken by all map tasks=13899
Total vcore-milliseconds taken by all reduce tasks=15084
Total megabyte-milliseconds taken by all map tasks=14232576
Total megabyte-milliseconds taken by all reduce tasks=15446016
Map-Reduce Framework
  Map input records=1
  Map output records=18
  Map output bytes=264
  Map output materialized bytes=56
  Input split bytes=96
  Combine input records=18
  Combine output records=3
  Reduce input groups=3
  Reduce shuffle bytes=56
  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)=355
  CPU time spent (ms)=3950
  Physical memory (bytes) snapshot=304234496
  Virtual memory (bytes) snapshot=4118224896
  Total committed heap usage (bytes)=202379264
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=28
File Output Format Counters
  Bytes Written=29
The standard deviation is: 1.8856180831641272
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost mapreduce]$
```