Session 1 Assignment 1

Task 3

1. Execute WordMedian, WordMean, WordStandardDeviation programs using

hadoop-mapreduce-examples-2.9.0.jar file present in your AcadGild VM.

Ans:

WordMedian

WordMean

```
                Shuffled Maps =1
                Failed Shuffles=0
                Merged Map outputs=1
                GC time elapsed (ms)=186
                CPU time spent (ms)=2710
                Physical memory (bytes) snapshot=378167296
                Virtual memory (bytes) snapshot=4169416704
                Total committed heap usage (bytes)=263716864
        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=121
        File Output Format Counters
                Bytes Written=20
The mean is: 6.5
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost deepak]$
```

WordStandardDeviation

```
                Virtual memory (bytes) snapshot=4162969600
                Total committed heap usage (bytes)=286785536
        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=121
        File Output Format Counters
                Bytes Written=31
The standard deviation is: 1.9039432764659772
[acadgild@localhost deepak]$
[acadgild@localhost deepak]$ hdfs dfs -cat /sample_out4/part-r-00000
18/07/08 17:22:04 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
count   16
length  104
square  734
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost deepak]$
```