Task: 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

```
[acadgild@localhost Desktop]$ hadoop fs -cat /Customer Input.txt
18/09/04 17:28:49 WARN util.NativeCodeLoader: Unable to load native-hadoop library for you
asses where applicable
1234
       Fname
                LName
                        India
1234
        Fname
                LName
                        India
1234
        Fname
                LName
                        India
        Fname
1234
                LName
                        India
[acadgild@localhost Desktop]$
```

WordMedian:

```
File Edit View Search Terminal Help

[acadgild@localhost Desktop]$ hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce/hadoop-mapreduce-examples_2.6.5.] ard wordmedian /Customer Input txt /AssignmentOutput/
[87/89/90 17:10:12 WARW util.NativeCodetOsder: Unable to load native-hadoop library for your platform... using builtin-java cl 187/89/90 17:10:12 WARW util.NativeCodetOsder: Unable to load native-hadoop library for your platform... using builtin-java cl 187/89/90 17:10:12 WARW util.NativeCodetOsder: Unable to load native-hadoop library for your platform... using builtin-java cl 187/89/90 17:10:12 WARW util.NativeCodetOsder: Unable to load native-hadoop library for your platform... using builtin-java cl 187/89/90 17:10:12 WARW util.NativeCodetOsder: Unable to load native-hadoop library for your platform... using builtin-java cl 187/89/90 17:10:12 WARW util.NativeCodetOsder: University Load Provided Provided
```

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Virtual memory (bytes) snapshot=4118
                Total committed heap usage (bytes)=1
        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=92
        File Output Format Counters
                Bytes Written=9
The median is: 5
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Desktop]$
```

```
[acadgild@localhost Desktop]$ hadoop fs -ls /AssignmentOutputYarn/
18/09/04 17:27:57 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platfo
asses where applicable
Found 2 items
-rw-r--r- 1 acadgild supergroup 0 2018-09-04 17:11 /AssignmentOutputYarn/_SUCCESS
-rw-r--r- 1 acadgild supergroup 9 2018-09-04 17:11 /AssignmentOutputYarn/part-r-00000
You have new mail in /var/spool/mail/acadgild
```

WordMean:

```
File Edit View Search Terminal Help

[acadgild@localhost.Desktop]s hadoop jar /home/acadgild/instalt/hadoop/hadoop-2,0.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.0.5] ab wordmean /Customer Input [xt /AssignmentOutputVarn]/

[acadgild@localhost.Desktop]s hadoop jar /home/acadgild/instalt/hadoop/hadoop-2,0.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.0.5] ab wordmean /Customer Input [xt /AssignmentOutputVarn]/

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```
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)=155
                 CPU time spent (ms)=1310
                 Physical memory (bytes) snapshot=297955328
Virtual memory (bytes) snapshot=4118224896
                 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=92
        File Output Format Counters
                 Bytes Written=19
The mean is: 4.75
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Desktop]$
```

WordStandardDeviation:

```
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File System Counters

File System Counters

File Number of bytes written=30

HOFS: Number of write operations=6

HOFS: Number of write operations=9

Total time spent by all reduce tasks=1

Total time spent by all reduce tasks=5009

Total time spent by all redu
```

```
Merged Map outputs=1
                GC time elapsed (ms)=174
                CPU time spent (ms)=1340
                Physical memory (bytes) snapshot=298815488
                Virtual memory (bytes) snapshot=4118224896
                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=92
        File Output Format Counters
                Bytes Written=30
The standard deviation is: 0.4330127018922193
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Desktop]$
```

```
[acadgild@localhost Desktop]$ hadoop fs -ls /AssignmentOutputYarn2/
18/09/04 17:25:18 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform...
asses where applicable
Found 2 items
-rw-r--r- 1 acadgild supergroup 0 2018-09-04 17:22 /AssignmentOutputYarn2/_SUCCESS
-rw-r--r- 1 acadgild supergroup 30 2018-09-04 17:22 /AssignmentOutputYarn2/part-r-00000
[acadgild@localhost Desktop]$
```