

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

```
GC time elapsed (ms)=261
CPU time spent (ms)=3760
Physical memory (bytes) snapshot=360431616
Virtual memory (bytes) snapshot=4167798784
Total committed heap usage (bytes)=237502464

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=24

The median is: 6
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost deepak]$ hdfs dfs -cat /sample_out2
18/07/08 17:13:32 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
cat: '/sample_out2': Is a directory
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost deepak]$ hdfs dfs -cat /sample_out2/0000000_0
18/07/08 17:13:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
cat: '/sample_out2/0000000_0': No such file or directory
[acadgild@localhost deepak]$ hdfs dfs -ls /sample_out2
18/07/08 17:14:05 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r--  1 acadgild supergroup          0 2018-07-08 17:04 /sample_out2/ SUCCESS
-rw-r--r--  1 acadgild supergroup       24 2018-07-08 17:04 /sample_out2/part-r-000000
[acadgild@localhost deepak]$ hdfs dfs -cat /sample_out2/part-r-000000
18/07/08 17:14:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
3      2
5      3
6      3
7      2
8      3
9      3
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost deepak]$
```

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]$
```