

WordMedian program execution:

Solution:

```
[acadgild@localhost ~]$ hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar wordmedian /test.txt /output
```

hadoop jar command is used to execute the program by providing it an input as test.txt and storing the output in /output.

After the job is completed, the /output directory is traversed to get the output which is as follows:

```
[acadgild@localhost ~]$ hadoop fs -ls /output
18/06/24 16:25:22 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 2018-06-24 16:24 /output/_SUCCESS
-rw-r--r--  1 acadgild supergroup       17 2018-06-24 16:24 /output/part-r-00000
[acadgild@localhost ~]$ hadoop fs -cat /output/part-r-00000
18/06/24 16:25:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
2      3
4      1
5      1
11     1
You have new mail in /var/spool/mail/acadgild
```

Wordmean program execution

Solution:

```
[acadgild@localhost ~]$ hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar wordmean /test.txt /output2
```

hadoop jar command is used to execute the program by providing it an input as test.txt and storing the output in /output.

After the job is completed, the /output2 directory is traversed to get the output which is as follows:

```
[acadgild@localhost ~]$ hadoop fs -ls /output2
18/06/24 16:42:41 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
ls: 'output2': No such file or directory
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /output2
18/06/24 16:43:05 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 2018-06-24 16:37 /output2/_SUCCESS
-rw-r--r--  1 acadgild supergroup       18 2018-06-24 16:37 /output2/part-r-00000
[acadgild@localhost ~]$ hadoop fs -cat /output2/part-r-00000
18/06/24 16:43:37 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
count  6
length 26
```

Wordstandarddeviation program execution:

Solution:

```
[acadgild@localhost ~]$ hadoop jar /home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.6.5.jar wordstandarddeviation /test.txt /output3
```

hadoop jar command is used to execute the program by providing it an input as test.txt and storing the output in /output.

After the job is completed, the /output3 directory is traversed to get the output which is as follows:

```
[acadgild@localhost ~]$ hadoop fs -cat /output3
18/06/24 16:49:19 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
cat: '/output3': Is a directory
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /output3
18/06/24 16:49:57 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 2018-06-24 16:47 /output3/_SUCCESS
-rw-r--r--  1 acadgild supergroup        29 2018-06-24 16:47 /output3/part-r-00000
[acadgild@localhost ~]$ hadoop fs -cat /output3/part-r-00000
18/06/24 16:50:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
count    6
length   26
square   174
```