ASSIGNMENT 3.1

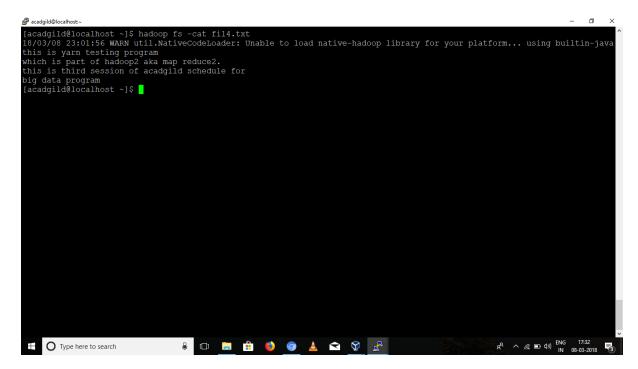
<u>Task 1:</u>

Command used:

a. Cat > fil4.txt : creating a file in local file system

b. Hadoop fs -put fil4.txt : pushing the file into hadoop file system

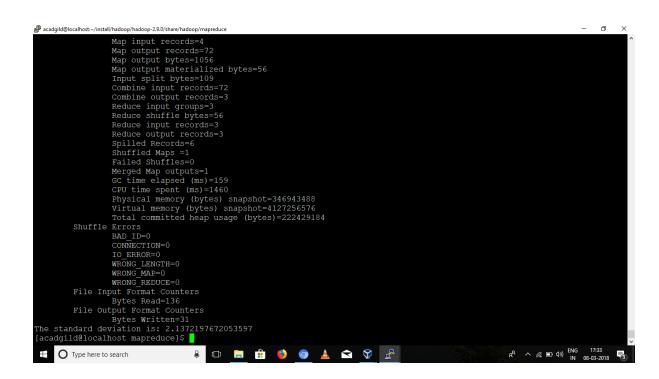
c. Hadoop fs -cat fil4.txt : recheck the content of the file which is recently uploaded



d. Execute wordstandarddeviation for Yarn:

- i. Hadoop jar hadoop-mapreduce-examples-2.9.0.jar wordstandarddeviation fil4.txt wsd1
- ii. Hadoop-mapreduce-examples-2.9.0.jar is the jar file
- iii. Wordstandarddeviation is the key word to calculate standard deviation

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## @ Assignation | Part | Par
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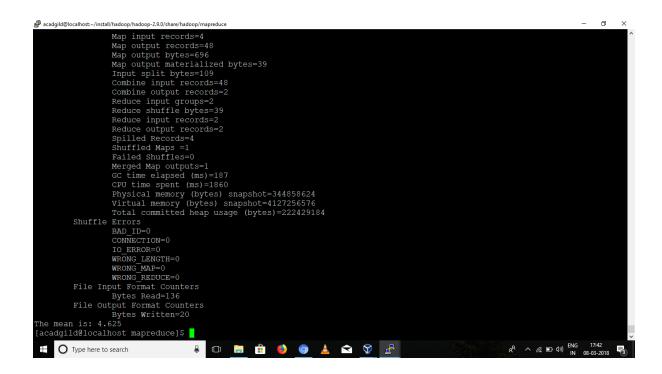
- iv. Wsd1 is file created to store output
- v. hadoop fs –ls wsd1 : to check the output reducer details
- vi. hadoop fs –cat wsd1/part-r-00000 : to get the output details as show below.

Word Mean execution:

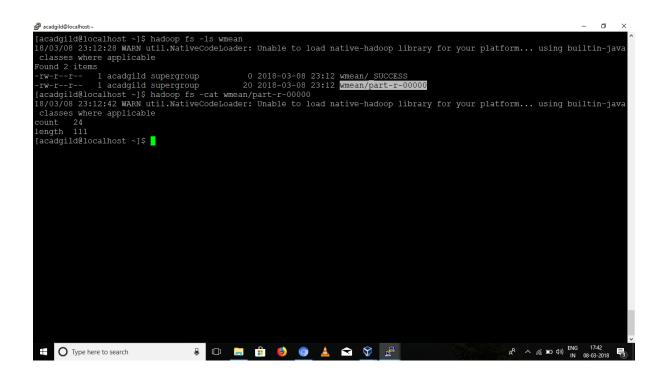
Command used:

- a. Hadoop jar hadoop-mapreduce-examples-2.9.0.jar wordmean fil4.txt wmean
- b. hadoop-mapreduce-examples-2.9.0.jar is the jar file given.
- c. Wordmean is the keyword.
- d. Wmean is the file for output storage.

```
Acadylid@localhost mapreduce|$ hadoop jar hadoop-mapreduce examples-2.9.0.jar wordmean fild.txt wmean fild/30/80 23:11:36 MRAN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable [8/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:40 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032 18/03/08 23:11:41 INFO mapreduce.Jobsumiter: number of splits: 18/03/08 23:11:40 INFO configuration.deprecation: yarn.resourcemanager.gva:630) at org.apache.hadoop.hdfs.DataStreamer.endBlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endBlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endBlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endBlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endFlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endFlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endFlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endFlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endFlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endFlock(DataStreamer.java:630) at org.apache.hadoop.hdfs.DataStreamer.endFlock(DataStreamer.java:63
```



- e. Hadoop fs –ls wmean : to get the output details of the reducer used
- f. Hadoop fs -cat wmean/part-r-00000

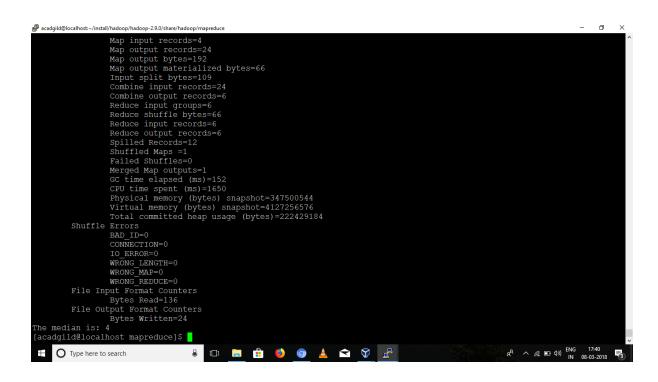


Word Median

Command used:

- a. Hadoop jar hadoop-mapreduce-examples-2.9.0.jar wordmedian fil4.txt wm
- b. hadoop-mapreduce-examples-2.9.0.jar is the given jar file
- c. wordmedian is the keyword to execute word median for yarn.
- d. Wm is the file for output storage.

```
| Cacadgid@localhost mapreduce]$ hadoop jar hadoop-mapreduce-examples-2.9.0.jar wordmedian fil4.txt wm 18/03/08 23:08:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable | ResourceManager at localhost/127.0.0.1:8032 | ResourceManager at localhost/127.0.0:1:8032 | ResourceManager at localhost/127.0.0:1:8032 |
```



- e. Hadoop fs –ls wm : to get the output details of reducer used
- f. Hadoop fs -cat wm/part-r-00000 : to get the output

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