

LAB:7

Word Count program

```
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ start-all.sh
WARNING: Attempting to start all Apache Hadoop daemons as hadoop in 10 seconds.
WARNING: This is not a recommended production deployment configuration.
WARNING: Use CTRL-C to abort.
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [bmscscse-HP-Elite-Tower-800-G9-Desktop-PC]
Starting resourcemanager
Starting nodemanagers
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ jps
5504 Jps
4130 NameNode
4903 ResourceManager
4296 DataNode
4540 SecondaryNameNode
5084 NodeManager
```

```
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ snap install eclipse --classic
eclipse 2024-03 from Snapcrafters* installed
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ java --version
openjdk 11.0.22 2024-01-16
OpenJDK Runtime Environment (build 11.0.22+7-post-Ubuntu-0ubuntu222.04.1)
OpenJDK 64-Bit Server VM (build 11.0.22+7-post-Ubuntu-0ubuntu222.04.1, mixed mode, sharing)
```

```
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -mkdir /rgs
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -copyFromLocal D:/sample.txt /rgs/test.txt
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -copyFromLocal /home/hadoop/Desktop/sample.txt /rgs/test.txt
copyFromLocal: '/rgs/test.txt': File exists
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop jar /home/hadoop/Desktop/Word_Count.jar WCDriver /rgs/test.txt /output
2024-05-21 14:56:02,006 INFO impl.MetricsConfig: Loaded properties from hadoop-metrics2.properties
2024-05-21 14:56:02,044 INFO impl.MetricsSystemImpl: Scheduled Metric snapshot period at 10 second(s).
2024-05-21 14:56:02,044 INFO impl.MetricsSystemImpl: JobTracker metrics system started
2024-05-21 14:56:02,051 WARN impl.MetricsSystemImpl: JobTracker metrics system already initialized!
2024-05-21 14:56:02,110 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface
2024-05-21 14:56:02,160 INFO mapred.FileInputFormat: Total input files to process : 1
2024-05-21 14:56:02,190 INFO mapreduce.JobSubmitter: number of splits:1
2024-05-21 14:56:02,252 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_local2100600485_0001
2024-05-21 14:56:02,252 INFO mapreduce.JobSubmitter: Executing with tokens: []
2024-05-21 14:56:02,307 INFO mapreduce.Job: The url to track the job: http://localhost:8080/
2024-05-21 14:56:02,308 INFO mapreduce.Job: Running job: job_local2100600485_0001
```

```
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -cat /output/part-00000
are 1
brother 1
family 1
hi 1
how 5
is 4
job 1
sister 1
you 1
your 4
hadoop@bmscscse-HP-Elite-Tower-800-G9-Desktop-PC:~$
```