Implement Wordcount program on Hadoop framework

op@bmscecse-HP-Elite-Tower-600-G9-Desktop-PC:~\$

```
hadoop@bmscecse-HP-Elite-Tower-600-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.

Starting namenodes on [localhost]
localhost: namenode is running as process 12082. Stop it first and ensure /tmp/hadoop-hadoop-namenode.pid file is empty before retry.

Starting datanodes

Starting secondary namenodes [bmscecse-HP-Elite-Tower-600-G9-Desktop-PC]
bmscecse-HP-Elite-Tower-600-G9-Desktop-PC: secondarynamenode is running as process 12557. Stop it first and ensure /tmp/hadoop-hadoop-hadoop-hadoop-hadoop-hadoop-secondarynamenode.pid file is empty before retry.

Starting secondary namenodes

Verynamenode.pid file is empty before retry.

Starting resourcemanager

- resourcemanager is running as process 12845. Stop it first and ensure /tmp/hadoop-hadoop-resourcemanager.pid file is empty before retry.

Starting nodemanagers

localhost: nodemanager is running as process 13014. Stop it first and ensure /tmp/hadoop-hadoop-nodemanager.pid file is empty before retry.

1002 Namehode

1003 Namehode

1004 NadeManager
1505 Org. eclipse.equinox.launcher_1.6.1000.v20250227-1734.jar
17036 Jps

12845 ResourceManager
12557 SecondaryNameNode

12557 DataNode

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Production
                                       .2255 DataNode
madoop@bmscecse-HP-Elite-Tower-600-G9-Desktop-PC:-$ hdfs dfs -copyFromLocal /home/hadoop/sample.txt /bda_hadoop/input.txt
madoop@bmscecse-HP-Elite-Tower-600-G9-Desktop-PC:-$ hadoop jar /home/hadoop/Desktop/hdpwordcount.jar WCDriver /bda_hadoop/input.txt /bda_hadoo
                             p/output
Exception in thread "main" java.lang.ClassNotFoundException: WCDriver
at java.base/java.net.URLClassLoader.findClass(URLClassLoader.java:476)
at java.base/java.lang.ClassLoader.loadClass(ClassLoader.java:594)
at java.base/java.lang.ClassLoader.loadClass(ClassLoader.java:527)
at java.base/java.lang.Class.forName0(Native Method)
at java.base/java.lang.Class.forName0(Native Method)
at java.base/java.lang.Class.forName(Class.java:398)
at org.apache.hadoop.util.RunJar.run(RunJar.java:321)
at org.apache.hadoop.util.RunJar.main(RunJar.java:241)
hadoop@bmscese-HP-Elite-Tower-600-G9-Desktop-PC:-$ hadoop jar /home/hadoop/Desktop/hdpwordcount.jar hdpwordcount.WCDriver /bda_hadoop/input.t
                             at org.apache.hadoop.uttl.RunJaf-Main(RunJaf-)avai:241)
hadoop@bnsecese.HP-Elite-Tower-600-G3-Desktop.PC:-$ hadoop jar /home/hadoop/Desktop/hdpwordcount.jar hdpwordcount.WCDriver /bda_hadoop/input.t

xt /bda_hadoop/output
2025-05-26 14:40:01,404 INFO impl.MetricsConfig: Loaded properties from hadoop-metrics2.properties
2025-05-26 14:40:01,404 INFO impl.MetricsSystemImpl: Scheduled Metric snapshot period at 10 second(s).
2025-05-26 14:40:01,404 INFO impl.MetricsSystemImpl: JobTracker metrics system started
2025-05-26 14:40:01,404 WARN impl.MetricsSystemImpl: JobTracker metrics system already initialized!
2025-05-26 14:40:01,501 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.
2025-05-26 14:40:01,501 INFO mapred.JobSubmitter: Total input files to process: 1
2025-05-26 14:40:01,504 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_local276129153_0001
2025-05-26 14:40:01,624 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_local276129153_0001
2025-05-26 14:40:01,624 INFO mapreduce.JobSubmitter: Executing with tokens: []
2025-05-26 14:40:01,677 INFO mapreduce.Job The url to track the job: http://localhost:8080/
2025-05-26 14:40:01,679 INFO mapreduce.Job The url to track the job: http://localhost:8080/
2025-05-26 14:40:01,679 INFO mapreduce.Job Info url to track the job: http://localhost:8080/
2025-05-26 14:40:01,679 INFO mapreduce.Job Running job: job_local276129153_0001
2025-05-26 14:40:01,679 INFO mapreduce.Job Running job: job_local276129153_0001
2025-05-26 14:40:01,680 INFO mapreduce.Job Running job: job_local276129153_0001
2025-05-26 14:40:01,680 INFO mapreduce.Job Running job: job_local276129153_0001
2025-05-26 14:40:01,680 INFO mapreduce.Job Running job: job_local276129153_0001
    hadoop@bmscecse-HP-Elite-Tower-600-G9-Desktop-PC:~$ hdfs dfs -ls /bda_hadoop/output
 Found 2 items
    -rw-r--r- 1 hadoop supergroup 0 2025-05-26 14:40 /bda_hadoop/output/_SUCCESS
-rw-r--r- 1 hadoop supergroup 75 2025-05-26 14:40 /bda_hadoop/output/part-00000
hadoop@bmscecse-HP-Elite-Tower-600-G9-Desktop-PC:-$ hdfs dfs -cat /bda_hadoop/output/part-00000
 аге
 brother
 eof
    family
 hi
 how
job
sister
 vour
```