CS-GY 6513 Big Data Homework 1 Sashank RM sr6890

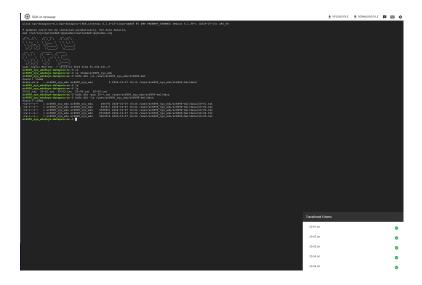
HDFS Directory Creation & Listings:

hdfs dfs -mkdir /user/sr6890_nyu_edu/sr6890-hw1 hdfs dfs -mkdir /user/sr6890_nyu_edu/sr6890-hw1/data

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24 hdfs dfs -mkdir /user/sr6890_nyu_edu/sr6890-hw1
25 hdfs dfs -mkdir /user/sr6890 nyu edu/sr6890-hw1/data
```

Upload Input Files to HDFS:

hdfs dfs -put 20-*.txt /user/sr6890_nyu_edu/sr6890-hw1/data



Verify the uploaded files:

Run the First MapReduce Job (Word Count):

a) Part 2.1

cd /home/sr6890_nyu_edu

hadoop com.sun.tools.javac.Main WordCount.java Top10Words.java

jar cf wordcount.jar *.class

hadoop jar wordcount.jar WordCount /user/sr6890_nyu_edu/sr6890-hw1/data /user/sr6890_nyu_edu/sr6890-hw1/output-job1

hdfs dfs -ls /user/sr6890_nyu_edu/sr6890-hw1/output-job1

hadoop jar wordcount.jar Top10Words /user/sr6890_nyu_edu/sr6890-hw1/output-job1 /user/sr6890_nyu_edu/sr6890-hw1/output-job2

hdfs dfs -cat /user/sr6890_nyu_edu/sr6890-hw1/output-job2/part-r-00000

```
sr6890_nyu_edu@nyu-dataproc-m:-$ 1s
20-01.txt 20-02.txt 20-03.txt 20-04.txt 20-05.txt
sr6890_nyu_edu@nyu-dataproc-m:-$ 1s
20-01.txt 20-02.txt 20-03.txt 20-04.txt 20-05.txt
sr6890_nyu_edu@nyu-dataproc-m:-$ 1s
20-01.txt 20-02.txt 20-03.txt 20-04.txt 20-05.txt
sr6890_nyu_edu@nyu-dataproc-m:-$ 1s
20-01.txt 20-02.txt 20-03.txt 20-04.txt 20-05.txt Top10Words.java WordCount.java
sr6890_nyu_edu@nyu-dataproc-m:-$ hadoop com.sun.tools.javac.Main WordCount.java Top10Words.java
sr6890_nyu_edu@nyu-dataproc-m:-$ jar cf wordcount.jar *.class
sr6890_nyu_edu@nyu-dataproc-m:-$
```

b) Part 2.2 (extra credit)

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# Dishe broader

# Dish
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