WORDCOUNT PROBLEM ON HADOOP REPORT

1. Set up:

```
tml_21127642@ > {dragonfarml ~/hadoop/hadoop-3.3.6} 	imstylen vim WordCount.java
tml_21127642@ > {dragonfarml ~/hadoop/hadoop-3.3.6} 	imstylen jar cf wc.jar WordCount*.class
tml_21127642@ > {dragonfarml ~/hadoop/hadoop-3.3.6} 	imstylen jar
LICENSE-binary README.txt
LICENSE.txt 'WordCount$IntSumReducer.class'
                                                                                WordCount.java lib/
                                                                                                                                       sbin/
                                                                                                          libexec/
                                                                                bin/
                                                                                                                                        share/
NOTICE-binary
                         'WordCount$TokenizerMapper.class'
                                                                                                          licenses-binary/ wc.jar
                                                                                etc/
NOTICE.txt
                          WordCount.class
                                                                                include/
                                                                                                          logs/
tml_21127642@ > (dragonfarml ~/hadoop/hadoop-3.3.6) * hdfs dfs -mkdir /input
tml_21127642@ > (dragonfarml ~/hadoop/hadoop-3.3.6) * cd
tml_21127642@ > {dragonfarml~} ❤ nvim input3.txt
```

Step 1: Create a file named "WordCount.java"

Note: the nvim command will both create a file and open a code editor neovim

- Step 2: Copy code from the tutorial into the file
- **Step 3:** Compile the java file into jar file (wc.jar)
- Step 4: Create a input folder for our input file
- Step 5: Create a input file (input3.txt)

```
nvim input3.txt ~

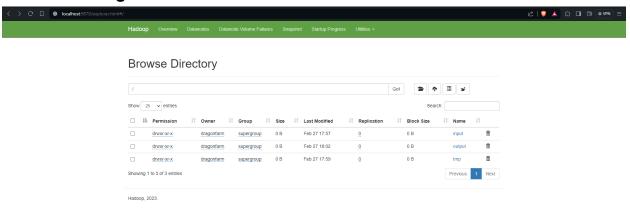
Hello Hadoop Goodbye Hadoop
~
~
~
```

The content of the input file (input3.txt)

2. Run the application:

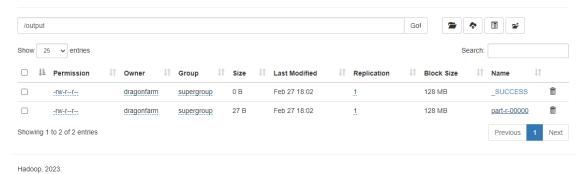
- Step 6: Put the input3.txt file into the input folder
- **Step 7:** Go into the hadoop folder and run the application

3. Checking the result:



Website should have both input folder and output folder

Browse Directory



Output folder content

- Step 8: Go into your terminal.
- Step 9: Enter command "hdfs dfs -cat /output/part-r-00000".
- Step 10: Now it should show the result like the image below.

```
Bytes Written=27

tml_21127642@ > {dragonfarm| ~/hadoop/hadoop-3.3.6} ❖ hdfs dfs -cat /output/part-r-00000
Goodbye 1
Hadoop 2
Hello 1
tml_21127642@ > {dragonfarm| ~/hadoop/hadoop-3.3.6} ❖ hdfs dfs -cat /input/input3.txt
Hello Hadoop Goodbye Hadoop
tml_21127642@ > {dragonfarm| ~/hadoop/hadoop-3.3.6} ❖
```

The result

4. Source:

https://hadoop.apache.org/docs/current/hadoop-mapreduce-client/ha