**Mapreduce**

1. hadoop version (2.7.2)
2. javac -version (1.8.0)
3. Open “wordcount.java” file
4. Create new folder on desktop as “WordCountTutorial”
5. Create new folder insidethe folder “WordCountTutorial” as “input data”
6. Create a new txt file in folder “input data” as “input.txt” and add some txt in that file
7. Now create new folder in “Inut data” folder as “tutorial\_clases” folder (used to save java class files)
8. In terminal run the following cammands as:
9. Export HADOOP\_CLASSPATH=$(Hadoop classpath)
10. Echo $ HADOOP\_CLASSPATH (chec the path)
11. Hadoop fs -mkdir /WordCountTutorial (create new folder)
12. Hadoop fs -mkdir /WordCountTutorial/Input (create new folder inside the above created folder)
13. Now open google and search “localhost:50070” (chec if folder is create or not)
14. Click on Utilities and select browse the file system
15. Then click on WordCountTutorial
16. In terminal :
17. Hadoop fs -put <input file> /WordcountTutorial/Input (Upload the input file to the directory)
18. Click on the file”input.txt” and drag on terminal to add the iput path in above command
19. In google chec if the fill is uploaded or not
20. In terminal:
21. Cd <path> (path of the WordCountTutorial file created on destop)
22. Javac -classpath ${HADOOP\_CLASSPATH} -d ‘<class folder path>’ ‘<path>’ (in class foder select ‘tutorial\_classes’folder and drop in the terminal and in path select “WordCount.java” file and drag it on the terminal)
23. Now in file explorer check weather the new files are created or not in “Tutorial\_classes” folder. (3 files are created with extension “.class”)
24. In terminal:
25. Jar -cvf <JAR\_FILE\_NAME> -c <CLASSES\_FOLDER> (JAR\_FILE\_NAME = FirstTutorial.jar, CLASSES\_FOLDER = Tutorial\_classes/ . (or select and drag on terminal)
26. Now “FrstTutorial.jar” file is created in “WordCountTutorial” foder
27. Hadoop jar ‘(select “FirstTutorial.jar” fie and drag to the terminal)’ (open WordCount fie and copy “WordCount” word from the file and paste in terminal) /WordCount/Input /WordCountTutorial/Output
28. Installation succesfuy done
29. Hadoop dfs -cat /WordCountTutorial/Output/\*