Experiment No.11

Write a code in JAVA for a simple Word Count application that counts the number of occurrences of each word in a given input set using the Hadoop Map-Reduce framework on local-standalone set-up.

Step 1) mkdir words

Step 2) Download hadoop-core-1.2.1.jar, which is used to compile and execute the MapReduce program. Visit the following
link
http://mvnrepository.com/artifact/org.apache.hadoop/hadoop-core/1.2.1

Step 3) Put that downloaded jar file into words folder.

Step 4) Implement WordCount.java program.

Step 5) Create input1.txt on home directory with some random text

Step 6) go on words path then compile

javac -classpath /home/vijay/words/hadoop-core-1.2.1.jar /home/vijay/words/WordCount.java

Step 7) jar -cvf words.jar -c words/ .

Step 8) cd .. then use following commands

hadoop fs -mkdir /input

hadoop fs -put input1.txt /input

hadoop fs -ls /input

hadoop jar /home/vijay/words/words12.jar WordCount /input/input1.txt /out321

hadoop fs -ls /out321

hadoop fs -cat /out321/part-r-00000

(Otherwise check in Browsing HDFS -> Utilities -> Browse the file System -> /)