Ex. No: H-2
Date: 17.12.2021

AIM:

To Perform a MapReduce Job for word search count, look for specific keywords in a file

PROCEDURE:

1. **Download**
   MapReduceClient.jar
   (Link: https://github.com/MuhammadBilalYar/HADOOPINSTALLATION-ON-WINDOW-10/blob/master/MapReduceClient.jar)

2. **Download Input_file.txt**
   (Link: https://github.com/MuhammadBilalYar/HADOOPINSTALLATION-ON-WINDOW- 10/blob/master/input_file.txt)Place both files in "C:/"

Hadoop Operation:

3. **Open cmd in Administrative mode and move to**
   "C:/Hadoop-2.8.0/sbin" andstart cluster
   Start-all.cmd

4. **Create an input directory in HDFS.**
   hadoop fs -mkdir /input_dir

5. **Copy the input text file named input_file.txt in the input directory (input_dir)of HDFS**.

   hadoop fs -put C:/input_file.txt /input_dir

6. **Verify input_file.txt available in HDFS input directory (input_dir).**
   hadoop

fs -ls /input_dir/

7. **Verify content of the copied file.**
   hadoop dfs -cat /input_dir/input_file.txt

8. **Run MapReduceClient.jar and also provide input and out directories.**
   hadoop jar C:/MapReduceClient.jar wordcount /input_dir /output_dir

9. **Verify content for generated output file.**
   hadoop dfs -cat /output_dir/*

Some Other useful commands

10. **To leave Safe mode**
    hadoop dfsadmin –safemode leave

11. **To delete file from HDFS directory**
    hadoop fs -rm -r /iutput_dir/input_file.txt

12. **To delete directory from HDFS directory**
    hadoop fs -rm -r /iutput_dir

RESULT:

Thus, MapReduce Job for word search count, look for specific keywords in a file is performed successfully.