	Hope Foundation's **Finolex Academy of Management and Technology, Ratnagiri** **Information Technology Department**			
Subject name: Big Data Lab				Subject Code: ITL801
Class	BE IT	Semester – VIII (CBSGS)		Academic year: 2019-20
Name of Student	**Kazi Jawwad A Rahim**		**QUIZ Score :**	
Roll No	**28**	Assignment/Experiment No.		05
Title: Run Hadoop wordcount program using Cloudera VM				

1. Course objectives applicable

COB4. Understand implementation, programming using MapReduce.

COB3. Understand tasks in HDFS.

2. Course outcomes applicable:

CO3 –To understand Mapreduce technique

CO6-To install and run Map Reduce program

3. Learning Objectives:

1. Run Wordcount Program Using Mapreduce
2. Connect using Cloudera VM

4. Practical applications of the assignment/experiment:

5. Prerequisites:

1. Knowledge of Map Reduce
2. Internet Access
3. Cloudera Quickstart VM

6. Hardware Requirements:

1. Internet Access with Browser
2. PC to install Cloudera

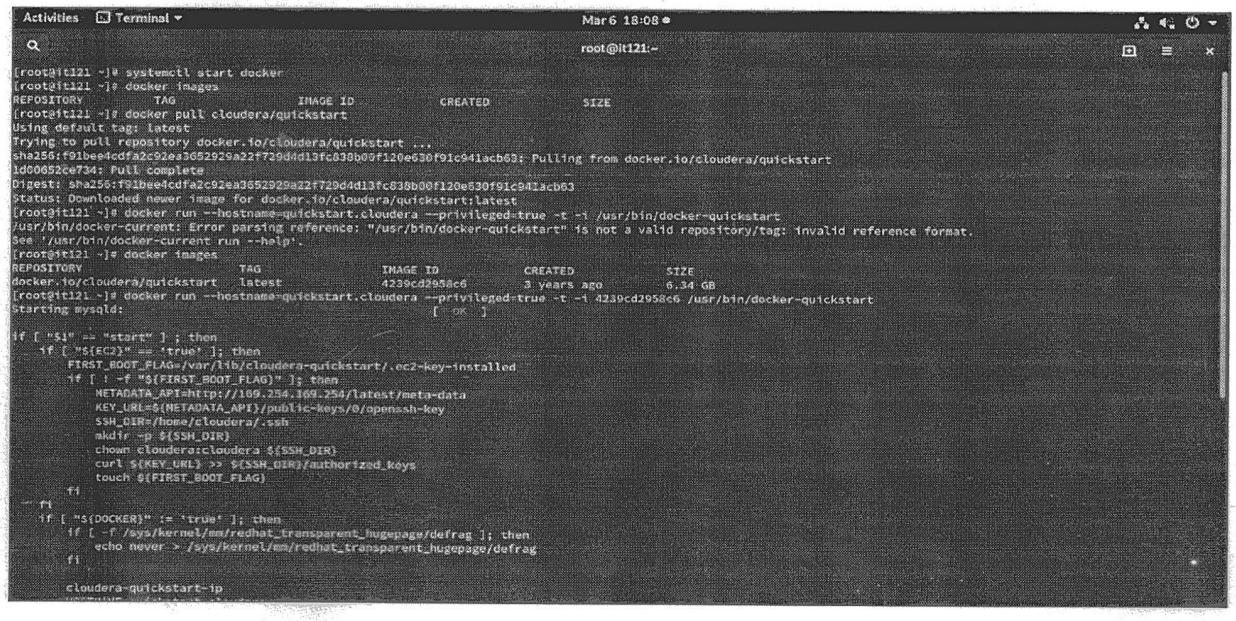
7. Software Requirements:

Browser like Chrome, Internet Explorer Edge, Cloudera VM Setup

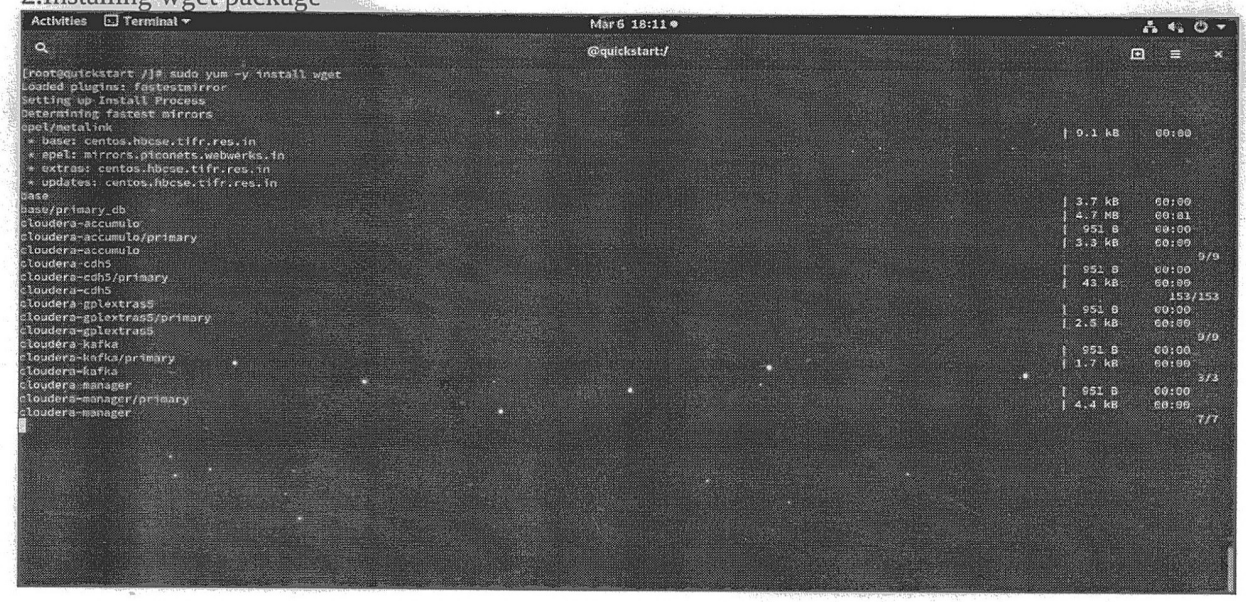
8. Experiment/Assignment Evaluation:

Sr. No.	Parameters	Marks obtained	Out of
1	Technical Understanding (Assessment may be done based on Q & A **or** any other relevant method.) Teacher should mention the other method used -		6
2	Neatness/presentation		2
3	Punctuality		2
Date of performance (DOP)		**Total marks obtained**		**10**
Date of checking (DOC)		**Signature of teacher**		

1. Starting Docker and pulling Cloudera quickstart vm

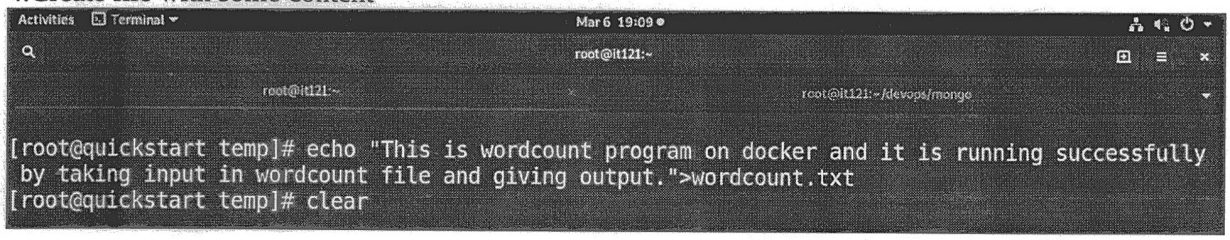


2.Installing wget package



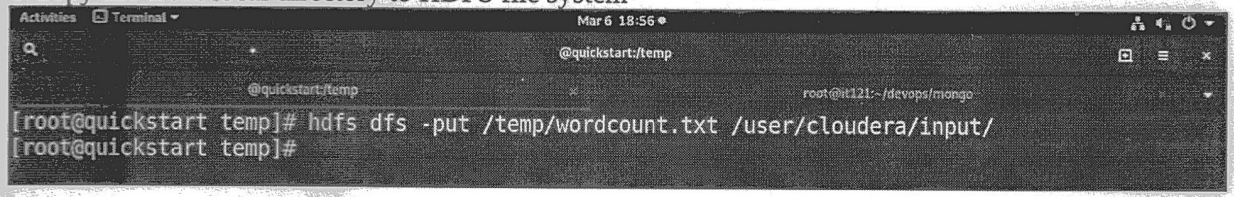
3. Making directory temp and moving into it

4.Create file with some content

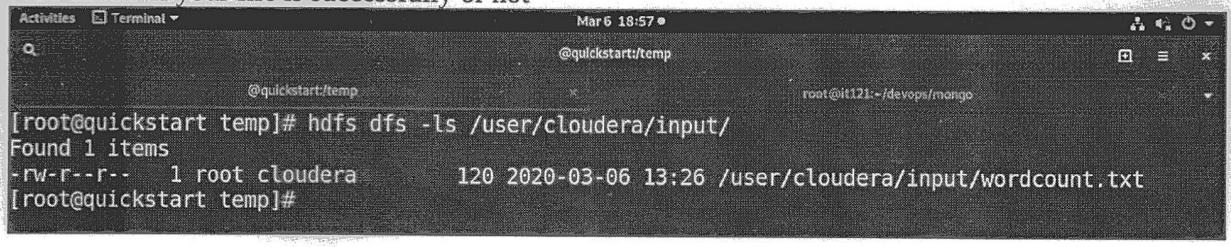


5.Make input directory in HDFS system

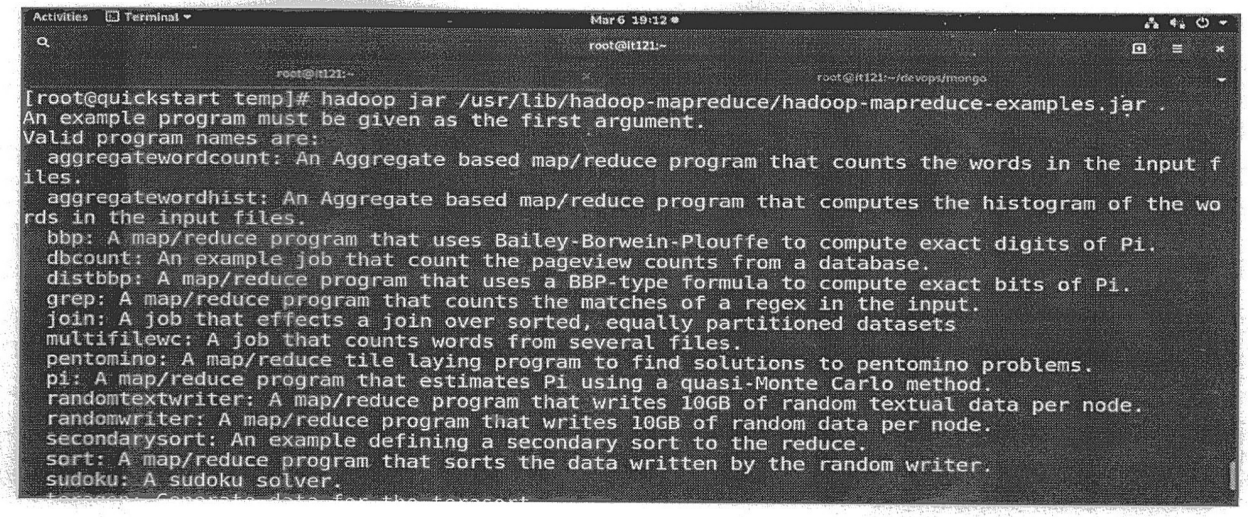
6.Copy file from local directory to HDFS file system



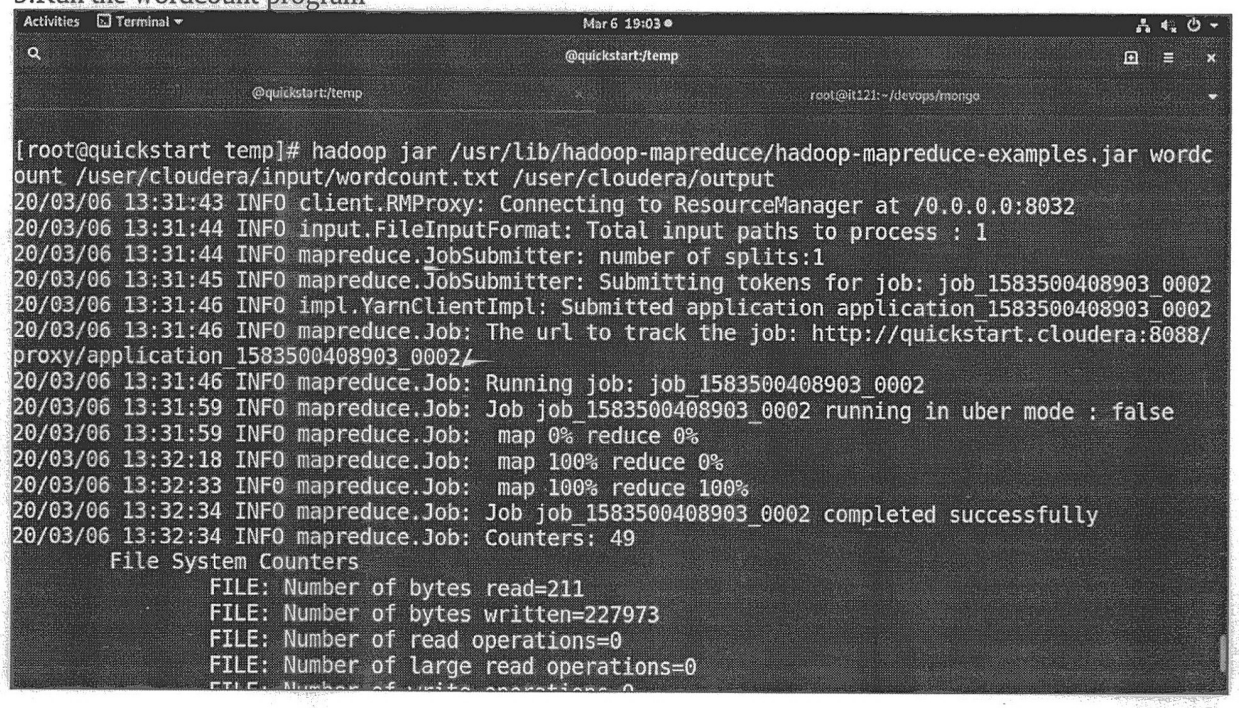
7.To check if your file is successfully or not



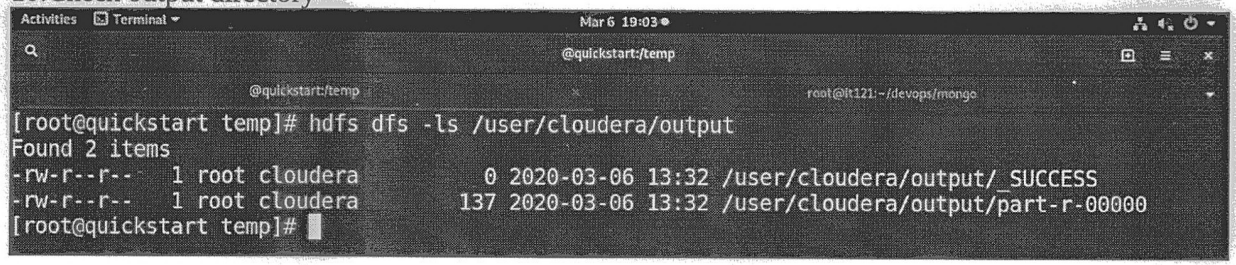
8.To check Hadoop mapredue examples



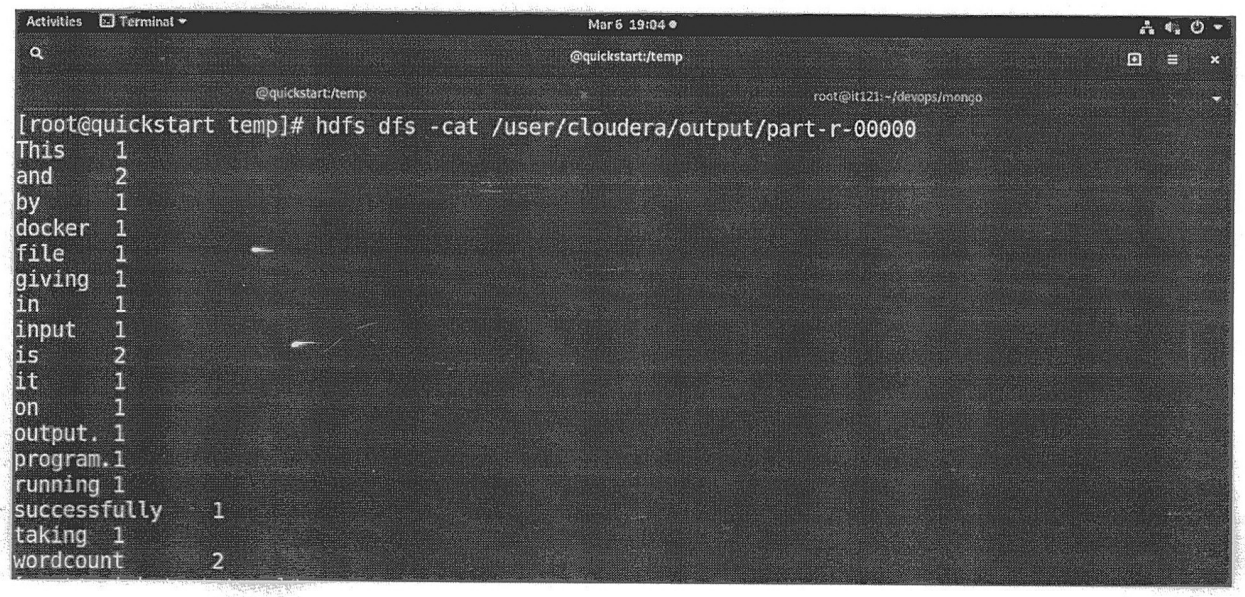
9.Run the wordcount program



10.Check output directory



11.Open part file to check output



Learning Outcomes Achieved:

1) HDFS is discussed
2) Students downloaded cloudera quickstart VM.
3) Discussed how Map Reduce works.

Conclusion:

1. Applications of the studied technique in industry.
   a. Run the most basic example program Wordcount using your input data.

2. Engineering relevance
   a. Perform some simple task in HDFS.

3. Skills Developed
   a. Configuration of cloudera quickstart VM.