**Assignment 2 of Session 3**

Task 4:

Write a java program to list down all the files inside a directory and its sub-directories who have last modified timestamp between the start\_ts and end\_ts passed as an argument. The default value of start\_ts is 0 and for end\_ts is infinite.

Task 5:

Write a Java program to display the content of a file in HDFS on screen

Task 6:

Write a Java program to copy a file from local filesystem to HDFS.

List of directories before executing Task 4 is as follows:

Path : hdfs://localhost:9000/user/acadgild/mydir/hadoop

Modification Time : 1495070747079

Is Directory : true

Length : 0

Permissions : rwxr-xr-x

Path : hdfs://localhost:9000/user/acadgild/mydir/hadoop/max-temp.txt

Modification Time : 1494684907736

Is Directory : false

Length : 225

Permissions : rwxrwx---

Path : hdfs://localhost:9000/user/acadgild/mydir/hadoop/test1.txt

Modification Time : 1494682955931

Is Directory : false

Length : 0

Permissions : rw-r--r--

Path : hdfs://localhost:9000/user/acadgild/mydir/hello.txt

Modification Time : 1495153558784

Is Directory : false

Length : 28

Permissions : rw-r--r--

**Output of Task 4, 5, 6**

2017-05-19 06:12:28,120 WARN [main] util.NativeCodeLoader (NativeCodeLoader.java:<clinit>(62)) - Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

\*\*\*\*\*\*\*\*\*\*\* Task4 : Listing of directories \*\*\*\*\*\*\*\*\*\*\*\*

Enter the directory to perform list on :

/user/acadgild/mydir

Enter the last-modification timestamp range :

0

1494682955931

Path : hdfs://localhost:9000/user/acadgild/mydir/hadoop/test1.txt

Modification Time : 1494682955931

Is Directory : false

Length : 0

Permissions : rw-r--r--

\*\*\*\*\*\*\*\*\*\*\* Task5 : Display the contents of a file in hdfs on screen \*\*\*\*\*\*\*\*\*\*\*\*

Enter the file to read :

/user/acadgild/hadoop/word-count.txt

File /user/acadgild/hadoop/word-count.txt opened to read

Contents of the file /user/acadgild/hadoop/word-count.txt are as follows :

Line Read = This is a test file.

Line Read = I am trying to put content from terminal to a file in hdfs

Line Read = \*\*\*\*\*\*\*\*\*\*\*\*\*\*

Line Read = Writing into the already existing file again using another command

\*\*\*\*\*\*\*\*\*\*\* Task6 : Copy a file from local system to hdfs \*\*\*\*\*\*\*\*\*\*\*\*

Enter the file path from the local system [Source path]:

/home/acadgild/testDir/testMerge.txt

Enter the directory path from hdfs [Destination path]:

/user/acadgild/hadoop

list of the files/directories before copy is as follows :

Total Number of objects : 3

hdfs://localhost:9000/user/acadgild/hadoop/test1.txt

hdfs://localhost:9000/user/acadgild/hadoop/testAppend.txt

hdfs://localhost:9000/user/acadgild/hadoop/word-count.txt

Copy performed.

list of the files/directories before copy is as follows :

Total Number of objects : 4

hdfs://localhost:9000/user/acadgild/hadoop/test1.txt

hdfs://localhost:9000/user/acadgild/hadoop/testAppend.txt

hdfs://localhost:9000/user/acadgild/hadoop/testMerge.txt

hdfs://localhost:9000/user/acadgild/hadoop/word-count.txt