**Assignment1 of Session 3**

**Task 1 :**

Write a Java program, to take an HDFS Path as input and display all the files and sub-directories in that HDFS path

**Task 2 :**

Modify the previous program to list all the files and sub-directories in the HDFS path recursively

**Task 3:**

Modify the previous program to take multiple HDFS paths (separated by space) and list all the files and sub-directories in those HDFS paths recursively

**Output**

Enter the directory to perform list on :

/user/acadgild/mydir

**\*\*\*\*\*\*\*\*\*\*\* Task1 : Listing of directories/Files \*\*\*\*\*\*\*\*\*\*\*\***

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

Modification Time : acadgild

Is Directory : true

Length : 0

Permissions : rwxr-xr-x

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

Modification Time : acadgild

Is Directory : false

Length : 28

Permissions : rw-r--r--

**\*\*\*\*\*\*\*\*\*\*\* Task2 : Recursive listing of directories/Files \*\*\*\*\*\*\*\*\*\*\*\***

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

Modification Time : acadgild

Is Directory : true

Length : 0

Permissions : rwxr-xr-x

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

Modification Time : acadgild

Is Directory : false

Length : 225

Permissions : rwxrwx---

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

Modification Time : acadgild

Is Directory : false

Length : 0

Permissions : rw-r--r--

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

Modification Time : acadgild

Is Directory : false

Length : 28

Permissions : rw-r--r--

**\*\*\*\*\*\*\*\*\*\*\* Task3 : Recursive listing of directories/Files for multiple paths\*\*\*\*\*\*\*\*\*\*\*\***

Enter the directories (separated by space) to perform list :

/user/acadgild/hadoop /user/acadgild/mydir

Number of paths : 2

Listing for directory /user/acadgild/hadoop is as follows :

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

Modification Time : acadgild

Is Directory : false

Length : 10

Permissions : rw-r--r--

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

Modification Time : acadgild

Is Directory : false

Length : 18

Permissions : rw-r--r--

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

Modification Time : acadgild

Is Directory : false

Length : 194

Permissions : rw-r--r--

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

Modification Time : acadgild

Is Directory : false

Length : 163

Permissions : rw-r--r--

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Listing for directory /user/acadgild/mydir is as follows :

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

Modification Time : acadgild

Is Directory : true

Length : 0

Permissions : rwxr-xr-x

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

Modification Time : acadgild

Is Directory : false

Length : 225

Permissions : rwxrwx---

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

Modification Time : acadgild

Is Directory : false

Length : 0

Permissions : rw-r--r--

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

Modification Time : acadgild

Is Directory : false

Length : 28

Permissions : rw-r--r--

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