

Task 1

Hdfs dfs -test -d <directorypath> : test command with -d argument is used to check if directory exists or not.

Echo \$? : this command is used to check the return status of the last executed command. 1 signifies directory is not present.

hdfs dfs -mkdir <directorypath> : command is used to create the directory.

Running the test command again to check the return status, 0 signifies directory is present.

```
[acadgild@localhost ~]$ hdfs dfs -test -d /user/acadgild/hadoop
18/10/22 14:12:58 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ echo $?
1
[acadgild@localhost ~]$ hdfs dfs -mkdir /user/acadgild/hadoop
18/10/22 14:13:48 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hdfs dfs -test -d /user/acadgild/hadoop
18/10/22 14:14:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ echo $?
0
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/
18/10/22 14:14:32 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 1 items
drwxr-xr-x - acadgild supergroup          0 2018-10-22 14:13 /user/acadgild/hadoop
[acadgild@localhost ~]$ █
```

Task 2

hdfs dfs -touchz <filepath> : command is used to create an empty file

hdfs dfs -appendToFile - <filepath> : command is used to write text on the terminal and once done press CTRL+D.

```
File Edit View Search Terminal Help
[acadgild@localhost ~]$ hdfs dfs -touchz /user/acadgild/hadoop/word-count.txt
18/10/22 14:57:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hdfs dfs -appendToFile /user/acadgild/hadoop/word-count.txt
appendToFile: missing destination argument
[acadgild@localhost ~]$ hdfs dfs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/10/22 14:59:03 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
This is the second exercise on Introduction to HDFS(Assignment_2.1) from Acadgild.You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/hadoop/word-count.txt
18/10/22 15:00:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
This is the second exercise on Introduction to HDFS(Assignment_2.1) from Acadgild.[acadgild@localhost ~]$ █
```

Task 3

Created a file in local directory using nano editor.

Hdfs dfs -copyFromLocal <srcpath> <destinationHDFS>- command is used to copy file from local file system to HDFS.

```
10-01-1990,10
10-02-1991,15
12-03-1991,13
15-05-1990,20
20-08-1990,25
10-07-1991,27
07-09-1991,29
12-10-1990,21
12-10-1991,20
11-11-1992,5
01-12-1992,-1
10-06-1992,16

[acadgild@localhost ~]$ hdfs dfs -copyFromLocal /home/acadgild/max-temp /user/acadgild/hadoop
18/10/22 15:38:05 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platf
rm... using builtin-java classes where applicable
copyFromLocal: /home/acadgild/max-temp: No such file or directory
[acadgild@localhost ~]$ hdfs dfs -copyFromLocal /home/acadgild/max-temp.txt /user/acadgild/hadoop
18/10/22 15:38:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platf
rm... using builtin-java classes where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop
18/10/22 15:39:04 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platf
rm... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup 168 2018-10-22 15:38 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 82 2018-10-22 15:00 /user/acadgild/hadoop/word-count.txt
```

Task 4

Chmod : command is used to change the permission of a file according to the given mode. In the below screenshot 770 signifies- first two 7 means read, write and execute permission for owner and group members and 0 means no permission for others.

```
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop
18/10/22 15:57:32 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platf
rm... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup 168 2018-10-22 15:38 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 82 2018-10-22 15:00 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$ hdfs dfs -chmod 770 /user/acadgild/hadoop/max-temp.txt
18/10/22 16:05:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platf
rm... using builtin-java classes where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop
18/10/22 16:05:17 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platf
rm... using builtin-java classes where applicable
Found 2 items
-rwxrwx--- 1 acadgild supergroup 168 2018-10-22 15:38 /user/acadgild/hadoop/max-temp.txt
```