

Task 1:

1. Check whether /user/acadgild directory exists or not in the HDFS.

Used command `-test -d` command to verify the same.

Evaluates the expression parameter.

`-d` filename where filename is directory

Wrote if statement to verify the output

```
[acadgild@localhost ~]$ if $(hadoop fs -test -d /user/acadgild); then echo 'directory exists'; else echo 'Need to create new one'; fi
18/03/18 05:33:11 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
directory exists
[acadgild@localhost ~]$
```

2. If it doesn't exist, then create this.

Created directory by using `mkdir` command

```
[acadgild@localhost ~]$ if $(hadoop fs -test -d /user/acadgild/hadoop); then echo 'directory exists'; else echo 'Need to create new one'; fi
18/03/18 05:36:38 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Need to create new one
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop
18/03/18 05:36:54 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 ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/18 05:37:14 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/
18/03/18 05:37:23 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 3 items
drwxr-xr-x - acadgild supergroup 0 2018-03-17 11:34 /user/acadgild/_sqoop
drwxr-xr-x - acadgild supergroup 0 2018-03-18 05:36 /user/acadgild/hadoop
-rw-r--r-- 1 acadgild supergroup 0 2018-03-17 11:55 /user/acadgild/word-count.txt
[acadgild@localhost ~]$
```

Task 2 :

Create a file in HDFS under directory /user/acadgild/hadoop, with name word-count.txt.

To achieve above task, adopted below approaches

As HDFS is write once and read many times , we can create zero byte file in hdfs and append text to that using

- a. 'text to be appended' with 'appendToFile' command - This command appends the data to an existing file on hdfs.
- b. Directly putting text in new file with 'echo' & put command
- c. Or by creating local file in local FS and then appending the contents of same using appendToFile command to created file in HDFS

1. Approach a:

Create ZERO Byte Using 'touchz' command in HDFS

- i. Not a single file is present under user/acadgild/hadoop folder in HDFS

```
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/18 05:39:34 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
```

ii. Created new file as word-count.txt

```
[acadgild@localhost ~]$ hadoop fs -touchz /user/acadgild/hadoop/word-count.txt
18/03/18 05:44:25 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 ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/18 05:44:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 1 items
-rw-r--r-- 1 acadgild supergroup 0 2018-03-18 05:44 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```

iii. Appending to ZERO byte file with 'echo' command and appendToFile Command

```
[acadgild@localhost ~]$ echo "Hi, This is assignment 2 from Acadgild session." | hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/03/18 05:48:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ echo "These are very good sessions." | hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/03/18 05:49:48 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 "Assignments are also very good which allows us to explore more on Hadoop.Thanks AcadGild." | hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/03/18 05:50:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
18/03/18 05:50:45 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Hi, This is assignment 2 from Acadgild session.
These are very good sessions.
Assignments are also very good which allows us to explore more on Hadoop.Thanks AcadGild.
[acadgild@localhost ~]$
```

2. Approach b.

i. Echo text to be put in file and give the file name which doesn't exist in hdfs directory

```
[acadgild@localhost ~]$ echo "This is the demonstration of adding new line using Put command instead of appendToFile." | hadoop fs -put - /user/acadgild/hadoop/word-count2.txt
18/03/18 05:54:28 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/
18/03/18 05:54:37 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 3 items
-rw-r--r-- 1 acadgild supergroup 168 2018-03-18 05:50 /user/acadgild/hadoop/word-count.txt
-rw-r--r-- 1 acadgild supergroup 0 2018-03-18 05:52 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup 88 2018-03-18 05:54 /user/acadgild/hadoop/wordcount2.txt
```

This can be achieved using 'Put' command as well instead of 'appendToFile' command
In this command destination file is not created in HDFS

3. Approach C:

i. Create a ZERO byte file in HDFS named as word-count3.txt

```
[acadgild@localhost ~]$ hadoop fs -touchz /user/acadgild/hadoop/word-count3.txt
18/03/18 05:59:58 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 ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/18 06:00:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 4 items
-rw-r--r-- 1 acadgild supergroup 168 2018-03-18 05:50 /user/acadgild/hadoop/word-count.txt
-rw-r--r-- 1 acadgild supergroup 0 2018-03-18 05:52 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup 0 2018-03-18 06:00 /user/acadgild/hadoop/word-count3.txt
-rw-r--r-- 1 acadgild supergroup 88 2018-03-18 05:54 /user/acadgild/hadoop/wordcount2.txt
[acadgild@localhost ~]$
```

ii. Create a file locally using nano editor

```
[acadgild@localhost ~]$ nano /home/acadgild/Desktop/Prachi/word-countToBeCopied.txt
```

```
This is the file for Approach 3, where we are creating a local file using nano editor which we will append to existing word-count3.txt file of HDFS under directory /Pr  
This will be achieved using appendToFile command where source will be word-countToBeCopied.txt and destination will be word-count3.txt.
```

```
Enjoy Experimenting .. !!!!
```

```
> modified buffer (ANSWERING "No" WILL DESTROY CHANGES) ?  
yes  
no
```

```
Cancel
```

```
acagild@localhost ~$ cat /home/acagild/Desktop/Prachi/word-countToBeCopied.txt  
This is the file for Approach 3, where we are creating a local file using nano editor which we will append to existing word-count3.txt file of HDFS under directory /Prachi/acagild/had  
oop  
This will be achieved using appendToFile command where source will be word-countToBeCopied.txt and destination will be word-count3.txt.  
Enjoy Experimenting .. !!!!  
You have new mail in /var/spool/mail/acagild  
acagild@localhost ~$
```

iii. Append this local file to file created in HDFS

```
acagild@localhost ~$ hadoop fs -appendToFile /home/acagild/Desktop/Prachi/word-countToBeCopied.txt /user/acagild/hadoop/word-count3.txt  
18/03/18 06:02:03 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/acagild  
acagild@localhost ~$ hadoop fs -cat /user/acagild/hadoop/word-count3.txt  
18/03/18 06:02:18 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
This is the file for Approach 3, where we are creating a local file using nano editor which we will append to existing word-count3.txt file of HDFS under directory  
Prachi/acagild/hadoop  
This will be achieved using appendToFile command where source will be word-countToBeCopied.txt and destination will be word-count3.txt.  
Enjoy Experimenting .. !!!!  
acagild@localhost ~$
```

Task 3:

Locally created file can be moved to HDFS with below two command

- Put command
- CopyFromLocal
- moveFromLocal

Approach a:

- Using Put command
- Put command is not restricted for source as local file system, it can copy file which is remotely available

Created a file locally using nano editor named as 'max-temp.txt'

```
[acadgild@localhost ~]$ nano /home/acadgild/Desktop/Prachi/max-temp.txt

Temperature Details
10-03-2018,32
11-03-2018,33
12-03-2018,32
13-03-2018,31
14-03-2018,33
15-03-2018,31
16-03-2018,32
17-03-2018,33
18-03-2018,30
19-03-2018,29
20-03-2018,35
21-03-2018,33

ve modified buffer (ANSWERING "No" WILL DESTROY CHANGES) ?
Yes
No  [X] Cancel
```

Copy file to HDFS using 'put' command

```
[acadgild@localhost ~]$ hadoop fs -put /home/acadgild/Desktop/Prachi/max-temp.txt /user/acadgild/hadoop
18/03/18 06:05:34 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 ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/18 06:05:52 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 5 items
-rw-r--r-- 1 acadgild supergroup 190 2018-03-18 06:05 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 168 2018-03-18 05:50 /user/acadgild/hadoop/word-count.txt
-rw-r--r-- 1 acadgild supergroup 0 2018-03-18 05:52 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup 353 2018-03-18 06:02 /user/acadgild/hadoop/word-count3.txt
-rw-r--r-- 1 acadgild supergroup 88 2018-03-18 05:54 /user/acadgild/hadoop/wordcount2.txt
[acadgild@localhost ~]$
```

```
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt
18/03/18 06:07:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Temperature Details
10-03-2018,32
11-03-2018,33
12-03-2018,32
13-03-2018,31
14-03-2018,33
15-03-2018,31
16-03-2018,32
17-03-2018,33
18-03-2018,30
19-03-2018,29
20-03-2018,35
21-03-2018,33

You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

Approach b:

- vi. Using 'copyFromLocal' Command
- vii. Similar to 'put' command however source is restricted to local file system.

Created a file locally using nano editor

```
[acadgild@localhost ~]$ nano /home/acadgild/Desktop/Prachi/max-temp1.txt
```

```
GNU nano 2.8.9 File: /home/acadgild/Desktop/Prachi/max-templ.txt
10-03-2018,32
11-03-2018,33
12-03-2018,32
13-03-2018,31
14-03-2018,33
15-03-2018,31
16-03-2018,32
17-03-2018,33
18-03-2018,30
19-03-2018,29
20-03-2018,35
21-03-2018,33

Save modified buffer (ANSWERING "No" WILL DESTROY CHANGES) ?
Y Yes
N No  Cancel
```

Copy file to HDFS using 'copyFromLocal' command

```
[acadgild@localhost ~]$ hadoop fs -copyfromlocal /home/acadgild/Desktop/Prachi/max-templ.txt /user/acadgild/hadoop
18/03/18 06:08:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/18 06:08:18 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 6 items
-rw-r--r-- 1 acadgild supergroup 190 2018-03-18 06:05 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 169 2018-03-18 06:08 /user/acadgild/hadoop/max-templ.txt
-rw-r--r-- 1 acadgild supergroup 108 2018-03-18 05:30 /user/acadgild/hadoop/word-count.txt
-rw-r--r-- 1 acadgild supergroup 0 2018-03-18 05:52 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup 353 2018-03-18 06:02 /user/acadgild/hadoop/word-count3.txt
-rw-r--r-- 1 acadgild supergroup 88 2018-03-18 05:54 /user/acadgild/hadoop/wordcount2.txt
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/max-templ.txt
18/03/18 06:08:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
10-03-2018,32
11-03-2018,33
12-03-2018,32
13-03-2018,31
14-03-2018,33
15-03-2018,31
16-03-2018,32
17-03-2018,33
18-03-2018,30
19-03-2018,29
20-03-2018,35
21-03-2018,33

You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

Approach c:

- viii. Using 'moveFromLocal' Command
- ix. This command will remove file from local file system.

Create another file named as max-temp2.txt, using nano editor

```
GNU nano 2.8.9 File: /home/acadgild/Desktop/Prachi/max-temp2.txt Modified
10-03-2018,32
11-03-2018,33
12-03-2018,32
13-03-2018,31
14-03-2018,33
15-03-2018,31
16-03-2018,32
17-03-2018,33
18-03-2018,30
19-03-2018,29
20-03-2018,35
21-03-2018,33
|

Get Help WriteOut Read File Prev Page Cut Text Cur Pos
Exit Justify Where Is Next Page UnCut Text To Spell
```

Move file from local to HDFS using moveFromLocal command

```
acadgild@localhost ~$ hadoop fs -movefromlocal /home/acadgild/Desktop/Prachi/max-temp2.txt /user/acadgild/hadoop
18/03/18 06:10:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
acadgild@localhost ~$ hadoop fs -ls /user/acadgild/hadoop
18/03/18 06:10:41 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
found 7 items
-rw-r--r-- 1 acadgild supergroup 190 2018-03-18 06:05 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 160 2018-03-18 06:08 /user/acadgild/hadoop/max-temp1.txt
-rw-r--r-- 1 acadgild supergroup 168 2018-03-18 06:10 /user/acadgild/hadoop/max-temp2.txt
-rw-r--r-- 1 acadgild supergroup 168 2018-03-18 05:50 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup 0 2018-03-18 05:52 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup 353 2018-03-18 06:02 /user/acadgild/hadoop/word-count3.txt
-rw-r--r-- 1 acadgild supergroup 88 2018-03-18 05:54 /user/acadgild/hadoop/wordcount2.txt
acadgild@localhost ~$ hadoop fs -cat /user/acadgild/hadoop/max-temp2.txt
18/03/18 06:10:54 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
10-03-2018,32
11-03-2018,33
12-03-2018,32
13-03-2018,31
14-03-2018,33
15-03-2018,31
16-03-2018,32
17-03-2018,33
18-03-2018,30
19-03-2018,29
20-03-2018,35
21-03-2018,33
```

Once file is moved to HDFS, it won't be available in local file system

```
[acadgild@localhost ~]$ ls -l /home/acadgild/Desktop/Prachi
total 1032176
drwxrwxr-x. 3 acadgild acadgild      4096 Mar 17 10:11 CaseStudyI
-rw-rw-r--. 1 acadgild acadgild 1056906185 Mar  4 21:18 file.txt
-rw-rw-r--. 1 acadgild acadgild      1022 Mar 17 10:11 Links.txt
-rw-rw-r--. 1 acadgild acadgild       169 Mar 17 12:43 max-templ.txt
-rw-rw-r--. 1 acadgild acadgild       190 Mar 17 12:38 max-temp.txt
-rw-r--r--. 1 acadgild acadgild       380 Mar  4 21:50 Output.txt
drwxrwxr-x. 3 acadgild acadgild      4096 Mar  5 08:34 PigExamples
-rw-rw-r--. 1 acadgild acadgild        67 Mar  4 23:17 ToCopied.txt
drwxrwxr-x. 2 acadgild acadgild      4096 Mar  4 18:37 WordCount
-rw-rw-r--. 1 acadgild acadgild       353 Mar 17 12:22 word-countToBeCopied.txt
[acadgild@localhost ~]$
```

Task 4:

Change the permission of the file /user/acadgild/hadoop/max-temp.txt, such that only the owner and the group members have full control over the file.

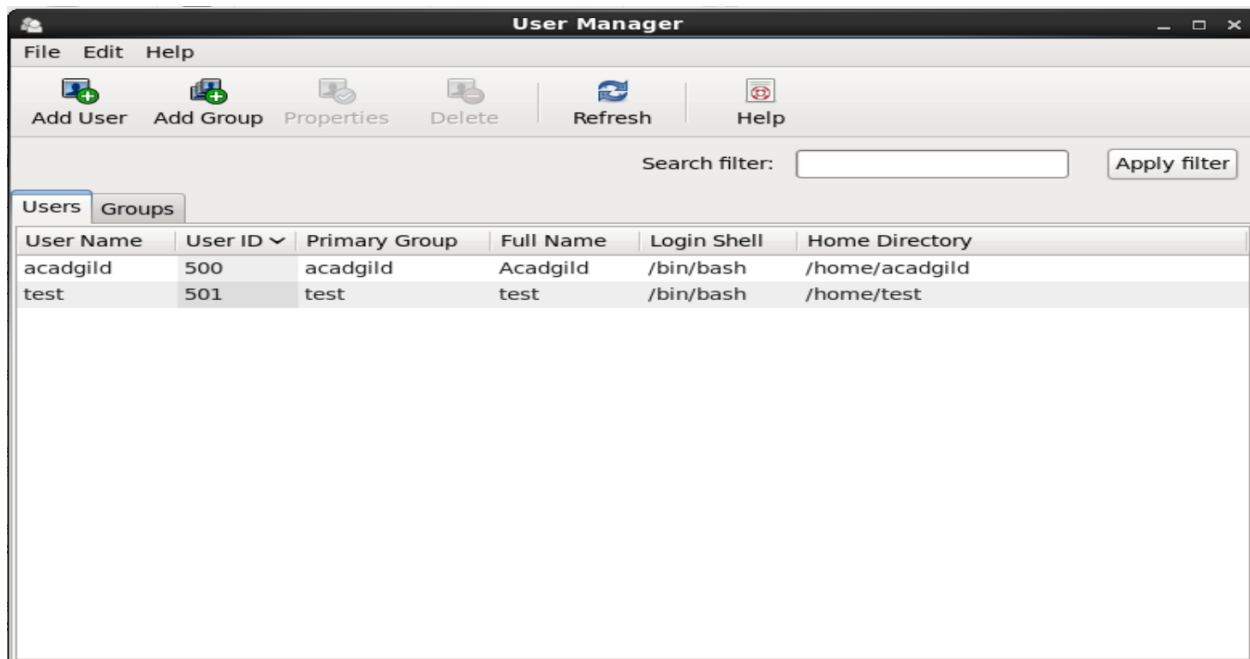
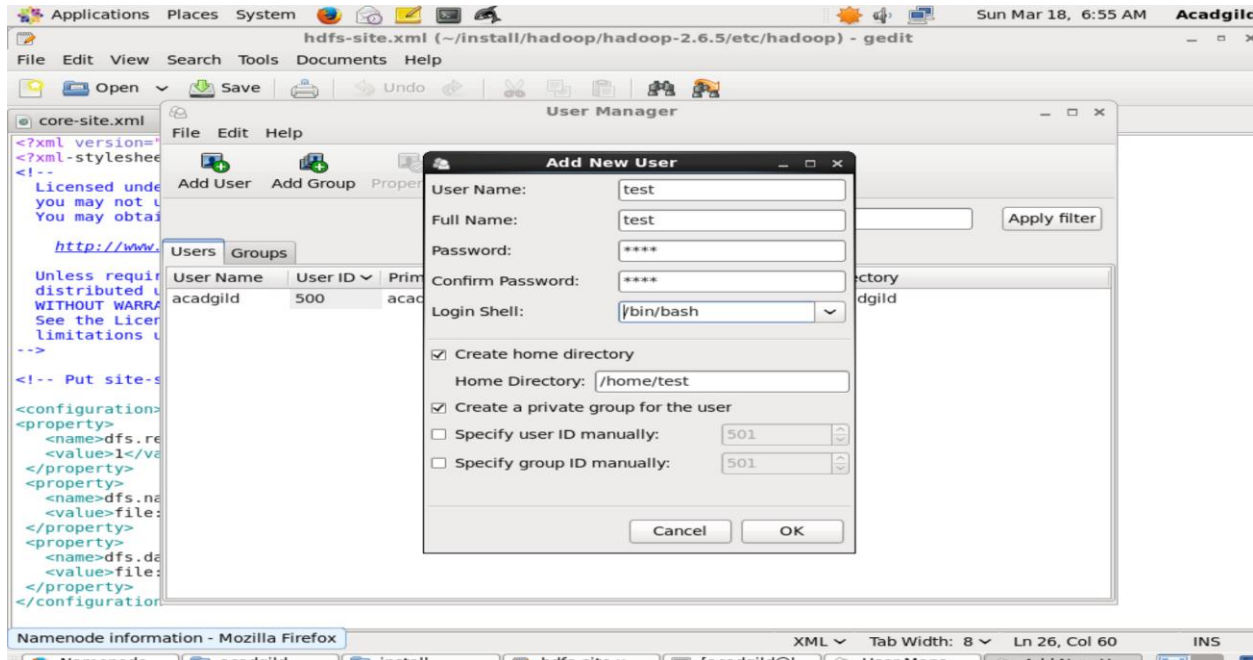
By default, when we create a directory or a file, the owner is the user that creates the directory (or file) and the group is the group of that user, as shown here.

```
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/18 06:29:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 7 items
-rw-r--r-- 1 acadgild supergroup      190 2018-03-18 06:05 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup      169 2018-03-18 06:06 /user/acadgild/hadoop/max-temp1.txt
-rw-r--r-- 1 acadgild supergroup      168 2018-03-18 06:10 /user/acadgild/hadoop/max-temp2.txt
-rw-r--r-- 1 acadgild supergroup      168 2018-03-18 05:50 /user/acadgild/hadoop/word-count.txt
-rw-r--r-- 1 acadgild supergroup        0 2018-03-18 05:52 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup     353 2018-03-18 06:02 /user/acadgild/hadoop/word-count3.txt
-rw-r--r-- 1 acadgild supergroup       88 2018-03-18 05:54 /user/acadgild/hadoop/wordcount2.txt
[acadgild@localhost ~]$
```

In this case, the acadgild account is used to create the directory, so the owner is acadgild and the group is supergroup.

We can change the ownership of the directory, if we don't want to use the default owner/group (acadgild/supergroup) for this directory.

To validate the command chown created new user as test in Operating system and created a directory under user folder for a user and made that user owner of that directory



chown command : to change file owner and group information.

The user test belongs to test group

`hadoop fs -chown test:test /user/test`

```
[acadgild@localhost ~]$ hadoop fs -chown test:test /user/test
18/03/24 09:55:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$
```

```
[acadgild@localhost ~]$ hdfs dfs -mkdir /user/test
18/03/18 07:10:06 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 ~]$ hadoop fs -ls /user
18/03/18 07:10:19 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 3 items
drwxr-xr-x - acadgild supergroup          0 2018-03-18 05:58 /user/acadgild
drwxr-xr-x - acadgild supergroup          0 2018-02-09 14:50 /user/hive
drwxr-xr-x - acadgild supergroup          0 2018-03-18 07:10 /user/test
[acadgild@localhost ~]$ su hdfs
su: user hdfs does not exist
[acadgild@localhost ~]$ su acadgild
Password:
[acadgild@localhost ~]$ hdfs dfs -chown -R test:test
-chown: Not enough arguments: expected 2 but got 1
Usage: hadoop fs [generic options] -chown [-R] [OWNER][[:GROUP]] PATH...
[acadgild@localhost ~]$ hdfs dfs -chown -R test:test /user/test
18/03/18 07:12:14 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 ~]$ hadoop fs -ls /user
18/03/18 07:12:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 3 items
drwxr-xr-x - acadgild supergroup          0 2018-03-18 05:58 /user/acadgild
drwxr-xr-x - acadgild supergroup          0 2018-02-09 14:50 /user/hive
drwxr-xr-x - test test                    0 2018-03-18 07:10 /user/test
[acadgild@localhost ~]$
```

chmod command : to change file access permissions such as read, write, and access.

`hadoop fs -chmod u=rwx,g=rwx,o=r /user/acadgild/hadoop/max-temp.txt`

Here the user - "u",

the group - "g",

other users - "o",

r – read , w –write ,x –execute

```
[acadgild@localhost ~]$ hadoop fs -chmod u=rwx,g=rwx,o=r /user/acadgild/hadoop/max-temp.txt
18/03/24 10:01:35 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 ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/24 10:01:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 7 items
-rwxrwxr-- 1 acadgild supergroup      190 2018-03-18 06:05 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup      169 2018-03-18 06:08 /user/acadgild/hadoop/max-temp1.txt
-rw-r--r-- 1 acadgild supergroup      168 2018-03-18 06:10 /user/acadgild/hadoop/max-temp2.txt
-rw-r--r-- 1 acadgild supergroup      168 2018-03-18 05:50 /user/acadgild/hadoop/word-count.txt
-rw-r--r-- 1 acadgild supergroup         0 2018-03-18 05:52 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup     353 2018-03-18 06:02 /user/acadgild/hadoop/word-count3.txt
-rw-r--r-- 1 acadgild supergroup       88 2018-03-18 05:54 /user/acadgild/hadoop/wordcount2.txt
[acadgild@localhost ~]$
```

this can be written as

`hadoop fs -chmod 774 /user/acadgild/hadoop/max-temp1.txt`

```

[acadgild@localhost ~]$ hadoop fs -chmod 774 /user/acadgild/hadoop/max-temp1.txt
18/03/24 10:09:54 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 ~]$ hadoop fs -ls /user/acadgild/hadoop
18/03/24 10:10:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 7 items
-rwxrwxr-- 1 acadgild supergroup 190 2018-03-18 06:05 /user/acadgild/hadoop/max-temp.txt
-rwxrwxr-- 1 acadgild supergroup 169 2018-03-18 06:08 /user/acadgild/hadoop/max-temp1.txt
-rw-r--r-- 1 acadgild supergroup 168 2018-03-18 06:10 /user/acadgild/hadoop/max-temp2.txt
-rw-r--r-- 1 acadgild supergroup 168 2018-03-18 05:50 /user/acadgild/hadoop/word-count.txt
-rw-r--r-- 1 acadgild supergroup 0 2018-03-18 05:52 /user/acadgild/hadoop/word-count1.txt
-rw-r--r-- 1 acadgild supergroup 353 2018-03-18 06:02 /user/acadgild/hadoop/word-count3.txt
-rw-r--r-- 1 acadgild supergroup 88 2018-03-18 05:54 /user/acadgild/hadoop/wordcount2.txt
[acadgild@localhost ~]$

```

Execute = 1

Write =2

Read = 4

Octal Value	Read	Write	Execute
7	Y	Y	Y
6	Y	Y	-
5	Y	-	Y
4	Y	-	-
3	-	Y	Y
2	-	Y	-
1	-	-	Y
0	-	-	-