

Task 1:

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

If it doesn't exist, then create this.

Create a directory /user/acadgild/hadoop.

Solution:

```
[acadgild@localhost ~]$ hadoop fs -ls /
18/06/10 00:58:48 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 327155712 2018-06-10 00:15 /file327.txt
drwxr-xr-x - acadgild supergroup 0 2018-02-02 12:49 /sqoopout111
-rw-r--r-- 1 acadgild supergroup 29 2018-06-09 10:13 /test.tst
-rw-r--r-- 1 acadgild supergroup 29 2018-06-09 10:29 /test.txt
drwxrwx--- - acadgild supergroup 0 2018-02-09 11:35 /tmp
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -test -d /user/acadgild
18/06/10 00:59:12 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ echo $?
1
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop
```

```
File Edit View Search Terminal Help
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild
18/06/10 01:01:04 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 /
18/06/10 01:01:24 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 327155712 2018-06-10 00:15 /file327.txt
drwxr-xr-x - acadgild supergroup 0 2018-02-02 12:49 /sqoopout111
-rw-r--r-- 1 acadgild supergroup 29 2018-06-09 10:13 /test.tst
-rw-r--r-- 1 acadgild supergroup 29 2018-06-09 10:29 /test.txt
drwxrwx--- - acadgild supergroup 0 2018-02-09 11:35 /tmp
drwxr-xr-x - acadgild supergroup 0 2018-06-10 01:01 /user
[acadgild@localhost ~]$ hadoop fs -ls /user
18/06/10 01:01:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
drwxr-xr-x - acadgild supergroup 0 2018-06-10 01:01 /user/acadgild
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user/hive
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop
18/06/10 01:02:16 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
18/06/10 01:02:34 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 2018-06-10 01:02 /user/acadgild/hadoop
[acadgild@localhost ~]$ █
```

Task 2:

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

Whatever we type on screen should get appended to the file.

Try to type (on screen) few lines from any online article or textbook.

Solution:

```
acacgild@localhost:~$ hadoop fs -chmod 774 /user/acacgild/hadoop/max-temp.txt
8/06/15 21:51:25 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ng builtin-java classes where applicable
'ou have new mail in /var/spool/mail/acacgild
acacgild@localhost ~]$ hadoop fs -ls /user/acacgild/hadoop/max-temp/txt
8/06/15 21:51:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ng builtin-java classes where applicable
s: `/user/acacgild/hadoop/max-temp/txt': No such file or directory
acacgild@localhost ~]$ hadoop fs -ls /user/acacgild/hadoop/max-temp.txt
8/06/15 21:52:13 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ng builtin-java classes where applicable
rwxrwxr--  1 acacgild supergroup          84 2018-06-15 21:35 /user/acacgild/hadoop/max-temp.txt
acacgild@localhost ~]$ hadoop fs -rm /user/acacgild/hadoop/word-count.txt
8/06/15 22:18:07 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ng builtin-java classes where applicable
8/06/15 22:18:09 INFO fs.TrashPolicyDefault: Namenode trash configuration: Deletion interval = 0 minutes,
Emptier interval = 0 minutes.
eleted /user/acacgild/hadoop/word-count.txt
'ou have new mail in /var/spool/mail/acacgild
acacgild@localhost ~]$ hadoop fs -touchz /user/acacgild/hadoop/word-count.txt
8/06/15 22:21:52 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ng builtin-java classes where applicable
'ou have new mail in /var/spool/mail/acacgild
acacgild@localhost ~]$
```

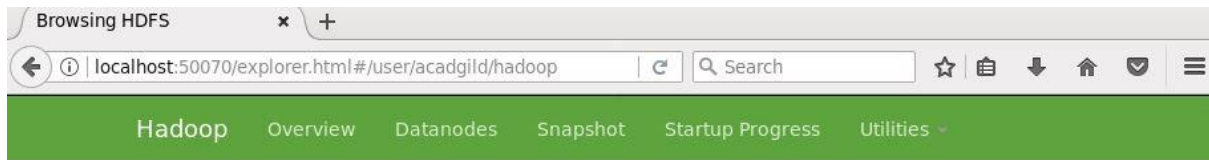
Task 3:

Create a file max-temp.txt in local FS.

Put some 10-15 records of date and temperature example

Solution:

```
drwxrwx---  - acacgild supergroup          0 2018-02-09 11:35 /tmp
drwxr-xr-x  - acacgild supergroup          0 2018-06-10 01:01 /user
[acacgild@localhost ~]$ pwd
/home/acacgild
[acacgild@localhost ~]$ nano max-temp.txt
You have new mail in /var/spool/mail/acacgild
[acacgild@localhost ~]$ hadoop fs -cat max-temp.txt
18/06/15 21:28:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
cat: `max-temp.txt': No such file or directory
You have new mail in /var/spool/mail/acacgild
[acacgild@localhost ~]$ nano max-temp.txt
[acacgild@localhost ~]$
[acacgild@localhost ~]$ hadoop fs -moveFromLocal /home/acacgild/max-temp.txt /user/acacgild/hadoop
18/06/15 21:32:55 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ing builtin-java classes where applicable
moveFromLocal: `/user/acacgild/hadoop': No such file or directory
You have new mail in /var/spool/mail/acacgild
[acacgild@localhost ~]$ hadoop fs -moveFromLocal /home/acacgild/max-temp.txt /user/acacgild/hadoop
18/06/15 21:35:33 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ing builtin-java classes where applicable
```



Browse Directory

/user/acadgild/hadoop						Go!
Permission	Owner	Group	Size	Replication	Block Size	Name
-rw-r--r--	acadgild	supergroup	84 B	1	128 MB	max-temp.txt
-rw-r--r--	acadgild	supergroup	0 B	1	128 MB	word-count.txt

Hadoop,
2016.

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. Others do not have any control over it.

Solution:

File permission being Changed

```
-rw-r--r-- 1 acadgild supergroup 29 2018-06-09 10:13 /test.tst
-rw-r--r-- 1 acadgild supergroup 29 2018-06-09 10:29 /test.tst
drwxrwx--- 0 acadgild supergroup 0 2018-02-09 11:35 /tmp
drwxr-xr-x 0 acadgild supergroup 0 2018-06-10 01:01 /user
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/max-temp.txt
18/06/15 21:50:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ing builtin-java classes where applicable
-rw-r--r-- 1 acadgild supergroup 84 2018-06-15 21:35 /user/acadgild/hadoop/max-temp.txt
[acadgild@localhost ~]$ hadoop fs -chmod 774 /user/acadgild/hadoop/max-temp.txt
18/06/15 21:51:25 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ing builtin-java classes where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/max-temp.txt
18/06/15 21:51:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ing builtin-java classes where applicable
ls: '/user/acadgild/hadoop/max-temp/txt': No such file or directory
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/max-temp.txt
18/06/15 21:52:13 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
ing builtin-java classes where applicable
-rwxrwxr-- 1 acadgild supergroup 84 2018-06-15 21:35 /user/acadgild/hadoop/max-temp.txt
[acadgild@localhost ~]$
```

Hadoop,
2016.