

### Task 1:

1. do *hadoop fs -ls* to see if any folder as */user/acadgild* exist.
2. IF not available then use *hadoop fs -mkdir* to create a folder under */user*

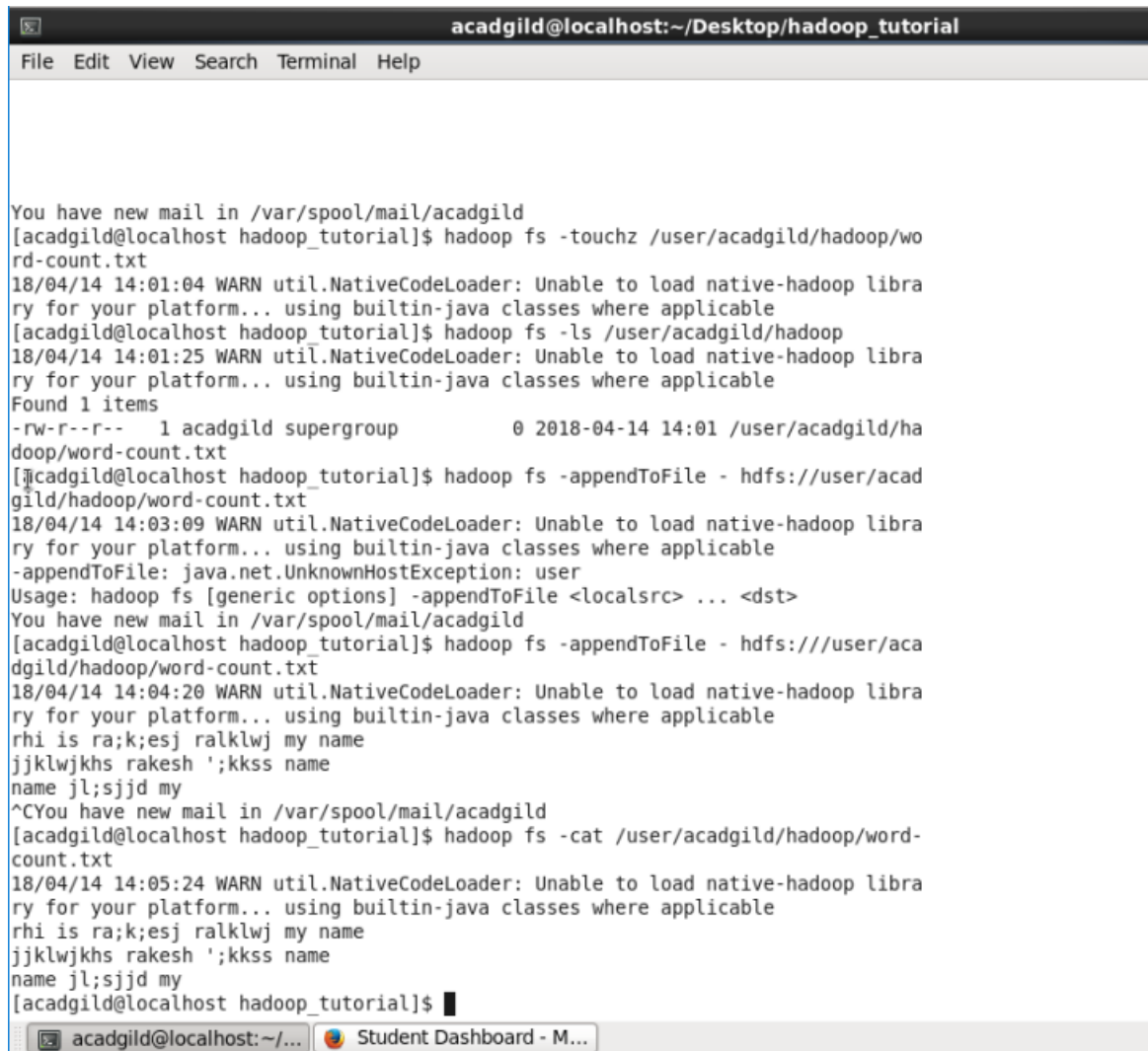


```
acadgild@localhost:~/Desktop/hadoop_tutorial
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop_tutorial]$ hadoop fs -mkdir /user/acadgild
18/04/14 13:45:20 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost hadoop_tutorial]$ hadoop fs -mkdir /user/acadgild/hadoop
18/04/14 13:45:26 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost hadoop_tutorial]$ hadoop fs -ls /user/acadgild/
18/04/14 13:45:48 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 2018-04-14 13:45 /user/acadgild/hadoop
[acadgild@localhost hadoop_tutorial]$
```

## Task 2:

1. Use *touchz* command to create an empty file.
2. Use *appendToFile* to read from stdin and append to the file.

*hadoop fs -appendToFile - <URI>*



```
acadgild@localhost:~/Desktop/hadoop_tutorial
File Edit View Search Terminal Help

You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop_tutorial]$ hadoop fs -touchz /user/acadgild/hadoop/word-count.txt
18/04/14 14:01:04 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost hadoop_tutorial]$ hadoop fs -ls /user/acadgild/hadoop
18/04/14 14:01:25 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 2018-04-14 14:01 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost hadoop_tutorial]$ hadoop fs -appendToFile - hdfs://user/acadgild/hadoop/word-count.txt
18/04/14 14:03:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
-appendToFile: java.net.UnknownHostException: user
Usage: hadoop fs [generic options] -appendToFile <localsrc> ... <dst>
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop_tutorial]$ hadoop fs -appendToFile - hdfs:///user/acadgild/hadoop/word-count.txt
18/04/14 14:04:20 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
rhi is ra;k;esj ralklwj my name
jjklwjkhksh rakesh ';kkss name
name jl;sjjd my
^CYou have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop_tutorial]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
18/04/14 14:05:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
rhi is ra;k;esj ralklwj my name
jjklwjkhksh rakesh ';kkss name
name jl;sjjd my
[acadgild@localhost hadoop_tutorial]$
```

### Task 3:

1. Use *vi* editor to create a file with content.
2. Use *put* command to load the file to HDFS from the local file system.

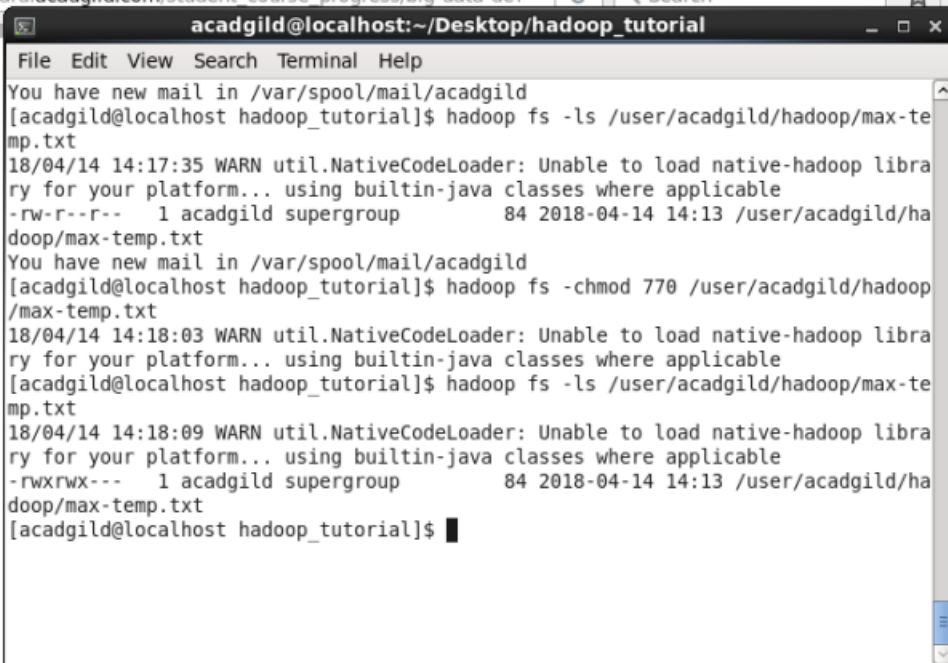
*hadoop fs -put <localfilesource> <HDFSdestinationLocation>*

```
acadgild@localhost:~/Desktop/hadoop_tutorial
File Edit View Search Terminal Help
jklwjks rakesh ';kkss name
ame jl;sjjd my
acadgild@localhost hadoop_tutorial]$ clear

you have new mail in /var/spool/mail/acadgild
acadgild@localhost hadoop_tutorial]$ vi max-temp.txt
you have new mail in /var/spool/mail/acadgild
acadgild@localhost hadoop_tutorial]$ hadoop fs -put max-temp.txt /user/acadgild/hadoop
3/04/14 14:13:23 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_tutorial]$ hadoop fs -ls /user/acadgild/hadoop
3/04/14 14:13:42 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup      84 2018-04-14 14:13 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup      77 2018-04-14 14:05 /user/acadgild/hadoop/word-count.txt
acadgild@localhost hadoop_tutorial]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
3/04/14 14:14:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
ji is ra;k;esj ralklwj my name
jklwjks rakesh ';kkss name
ame jl;sjjd my
you have new mail in /var/spool/mail/acadgild
acadgild@localhost hadoop_tutorial]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt
3/04/14 14:15:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
2-01-1982,20
4-05-1991,30
1-01-1990,10
3-03-1984,20
5-09-1996,15
4-11-1986,15
acadgild@localhost hadoop_tutorial]$
```

#### Task 4:

1. The permission defined in linux is in order of owner, group and then all other users. These are again denoted by hexadecimal value. 7 denote full permission.
2. Use *chmod* command to set the permission.



```
acadgild@localhost:~/Desktop/hadoop_tutorial
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop_tutorial]$ hadoop fs -ls /user/acadgild/hadoop/max-temp.txt
18/04/14 14:17:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
-rw-r--r--  1 acadgild supergroup      84 2018-04-14 14:13 /user/acadgild/hadoop/max-temp.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop_tutorial]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt
18/04/14 14:18:03 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost hadoop_tutorial]$ hadoop fs -ls /user/acadgild/hadoop/max-temp.txt
18/04/14 14:18:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
-rwxrwx---  1 acadgild supergroup      84 2018-04-14 14:13 /user/acadgild/hadoop/max-temp.txt
[acadgild@localhost hadoop_tutorial]$
```