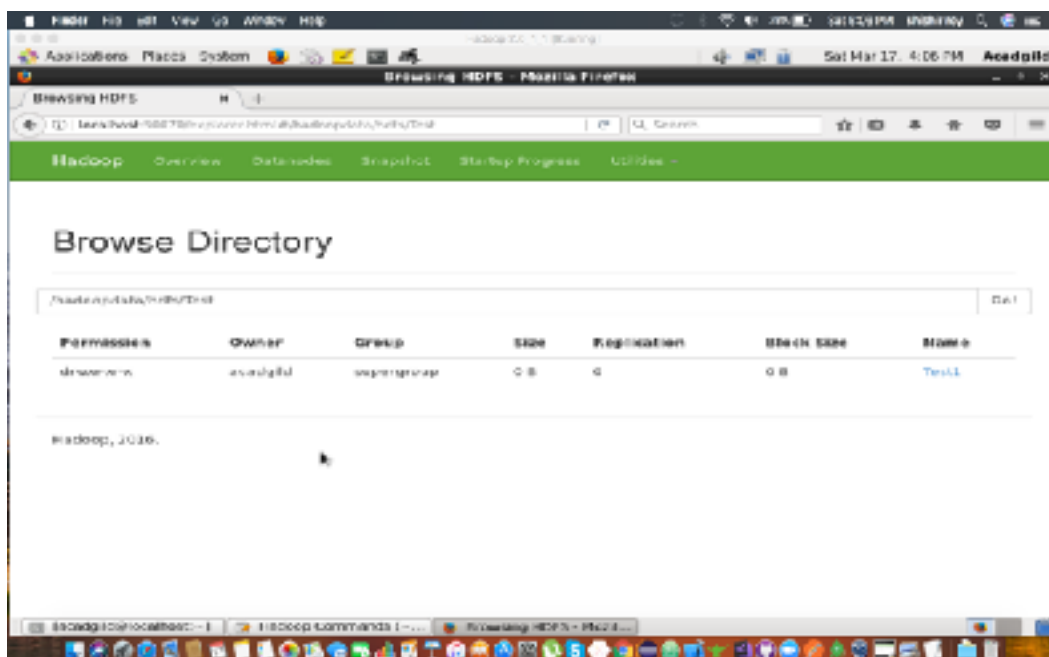
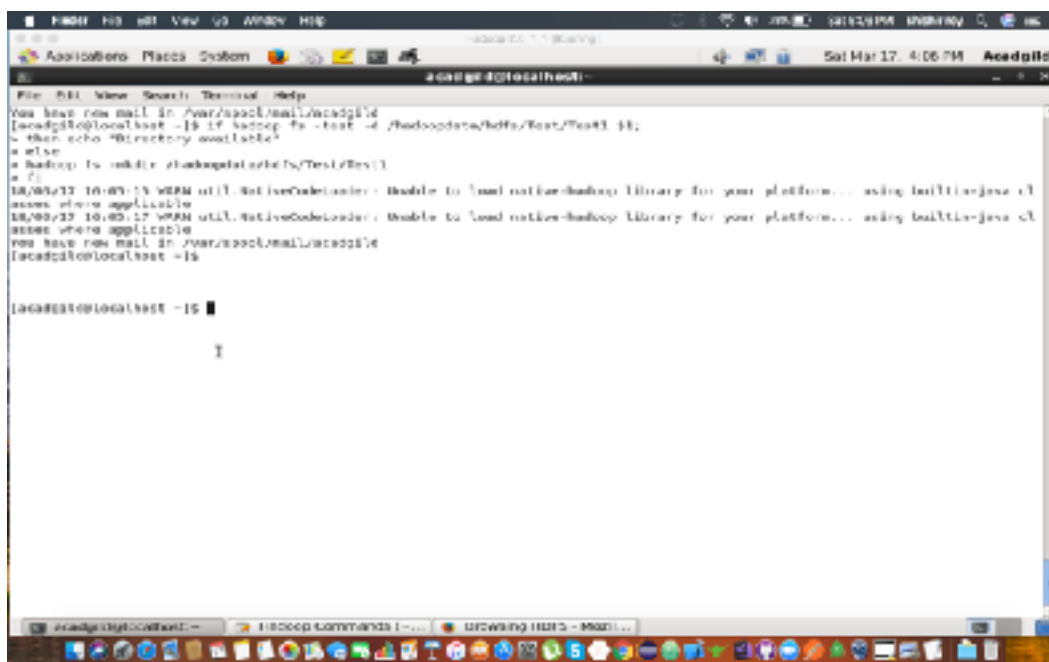


Check whether /user/acadgild directory exists or not in the HDFS. If it doesn't exist, then create this.

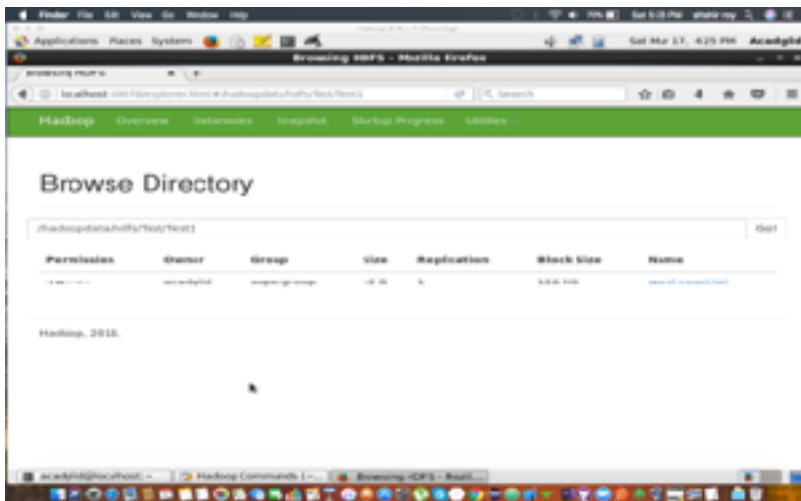
```
if hadoop fs -test -d /hadoopdata/hdfs/Test/Test1 ;  
then echo "Directory available"  
else  
hadoop fs -mkdir /hadoopdata/hdfs/Test/Test1  
fi
```



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.

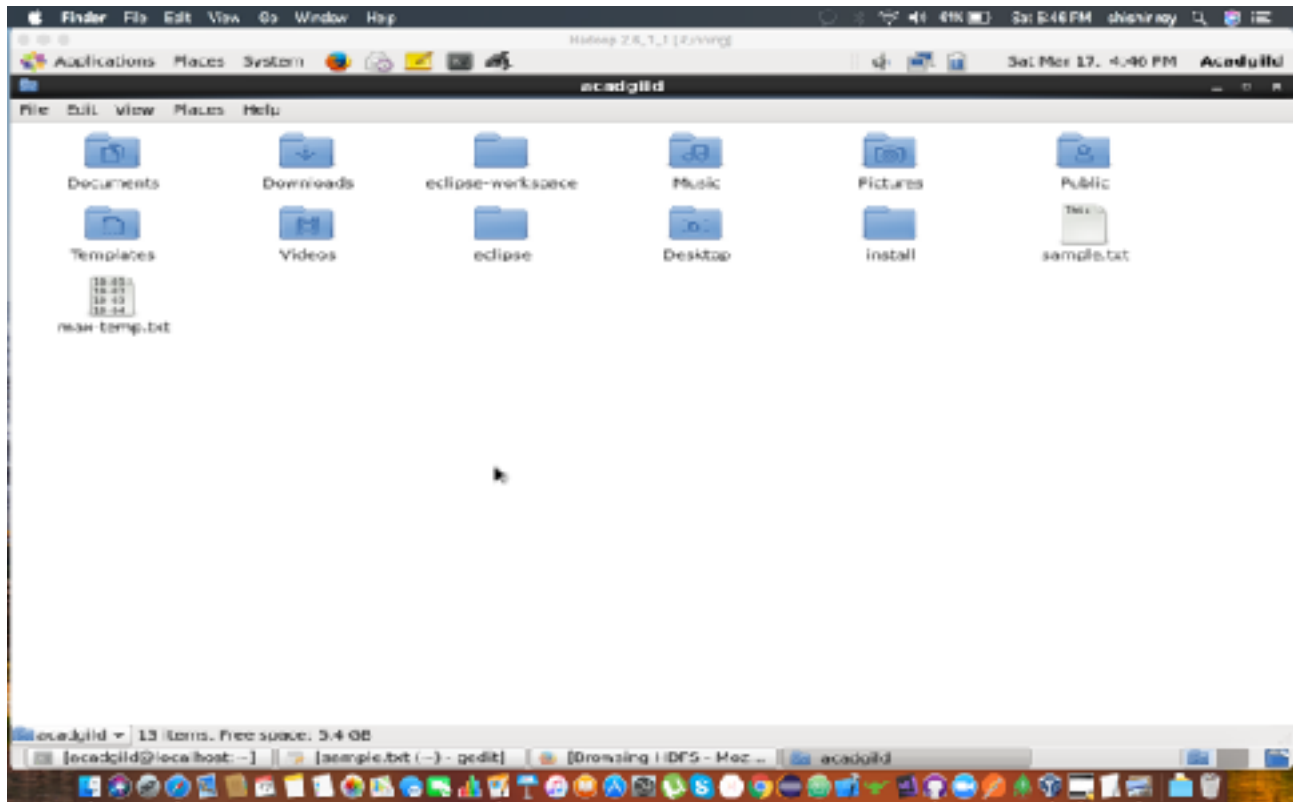
```
echo "hello world" | hadoop fs -appendToFile - /hadoopdata/hdfs/Test/Test1/  
word-count.txt
```



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

Put some 10-15 records of date and temperature example: dd-mm-yyyy,temperature

Create max-temp.txt and write value using nano commands.



Move this file to HDFS at /user/acadgild/hadoop

Command

```
hadoop fs -put /home/acadgild/max-temp.txt /hadoopdata/hdfs/Test/Test1
```

```
acacgild@localhost:~$  
File Edit View Search Terminal Help  
You have new mail in /var/spool/mail/acacgild  
[acacgild@localhost ~]$ ls  
[acacgild@localhost ~]$ ls  
desktop  Downloads  eclipse-workspace  max-temp.txt  Pictures  sample.txt  videos  
Documents  eclipse  install  music  public  templates  
You have new mail in /var/spool/mail/acacgild  
[acacgild@localhost ~]$ pwd  
/home/acacgild  
[acacgild@localhost ~]$ hadoop fs -put /home/acacgild/max-temp.txt /hadoopdata/hdfs/test/test1  
16/03/17 16:09:54 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/acacgild  
[acacgild@localhost ~]$
```

Browsing HDFS - Mozilla Firefox

localhost:50070/explorer.html#/hadoopdata/hdfs/test/test1

Hadoop Overview Datanodes Snapshot Startup Progress Utilities

## Browse Directory

/hadoopdata/hdfs/test/test1

Permission	Owner	Group	Size	Replication	Block Size	Name
-rw-r--r--	acacgild	supergroup	91 B	1	128 MB	<a href="#">max-temp.txt</a>
-rw-r--r--	acacgild	supergroup	12 B	1	128 MB	<a href="#">word-count.txt</a>

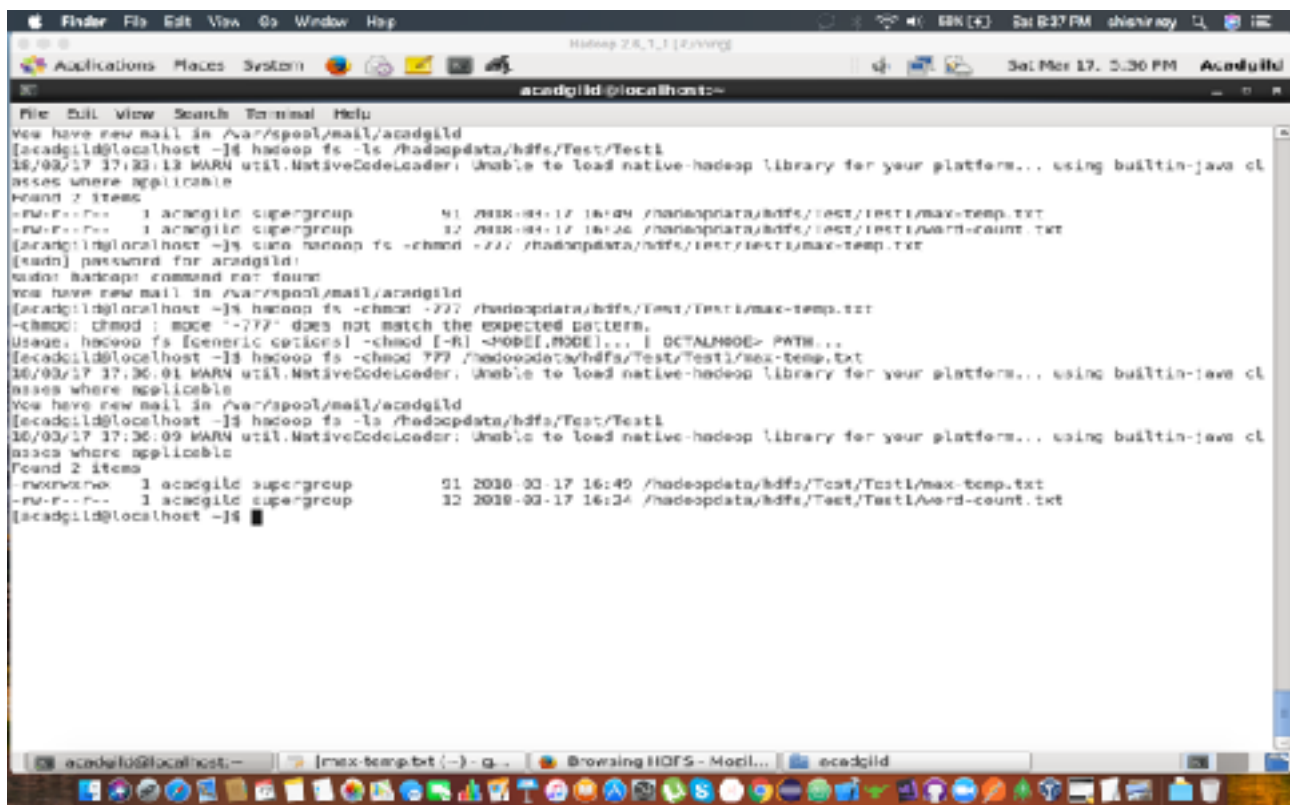
Hadoop, 2016.

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.

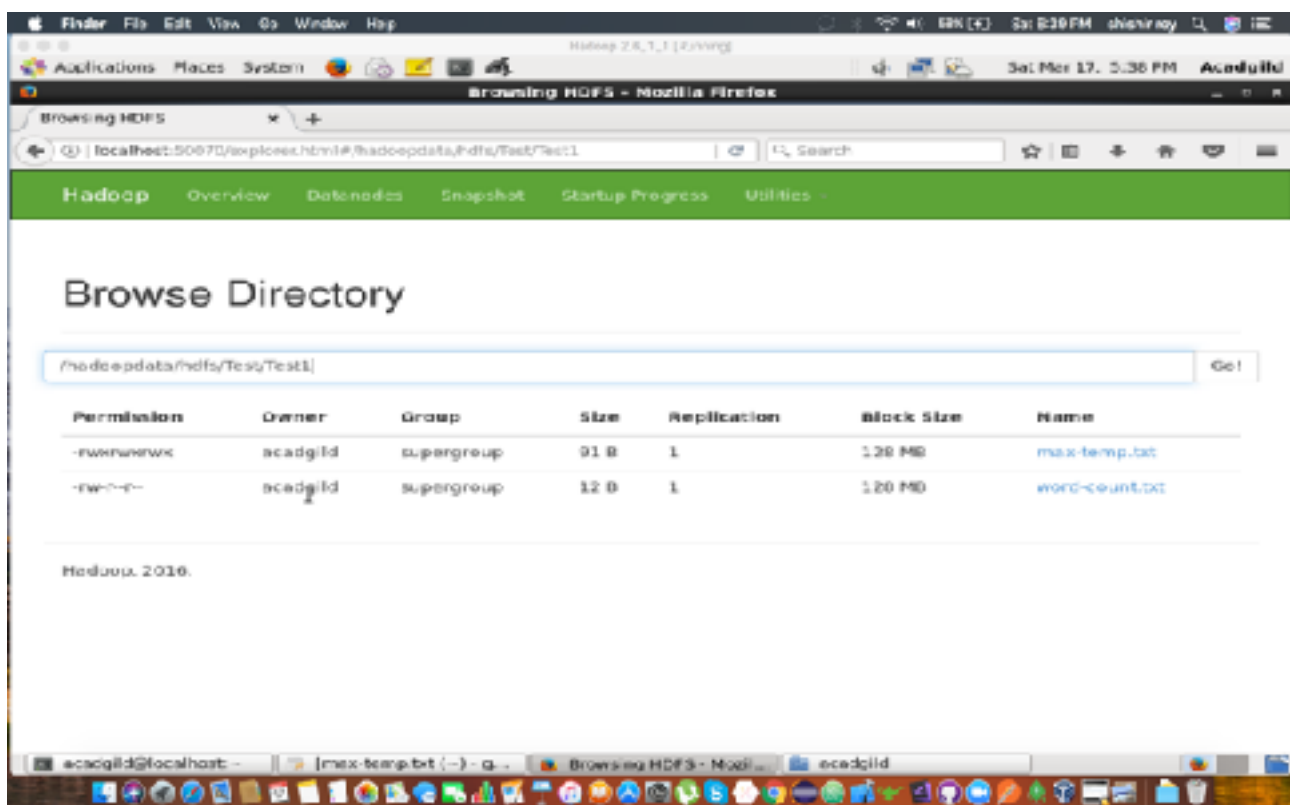
Others do not have any control over it.

Command:

```
hadoop fs -chmod 777 /hadoopdata/hdfs/Test/Test1/max-temp.txt
```



```
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /hadoopdata/hdfs/Test/Test1
16/03/17 17:23:13 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 2 items
-rw-rw-rw- 1 acadgild supergroup          91 2016-03-17 16:04 /hadoopdata/hdfs/Test/Test1/max-temp.txt
-rw-rw-rw- 1 acadgild supergroup          12 2016-03-17 16:24 /hadoopdata/hdfs/Test/Test1/word-count.txt
[acadgild@localhost ~]$ sudo hadoop fs -chmod -777 /hadoopdata/hdfs/Test/Test1/max-temp.txt
[sudo] password for acadgild:
sudo: hadoop: command not found
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -chmod -777 /hadoopdata/hdfs/Test/Test1/max-temp.txt
-rwxrwxrwx 1 acadgild supergroup          91 2016-03-17 16:45 /hadoopdata/hdfs/Test/Test1/max-temp.txt
[acadgild@localhost ~]$ hadoop fs -ls /hadoopdata/hdfs/Test/Test1
16/03/17 17:36:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 2 items
-rwxrwxrwx 1 acadgild supergroup          91 2016-03-17 16:45 /hadoopdata/hdfs/Test/Test1/max-temp.txt
-rw-rw-rw- 1 acadgild supergroup          12 2016-03-17 16:24 /hadoopdata/hdfs/Test/Test1/word-count.txt
[acadgild@localhost ~]$
```



Hadoop Overview Datanodes Snapshot Startup Progress Utilities

## Browse Directory

/hadoopdata/hdfs/Test/Test1

Permission	Owner	Group	Size	Replication	Block Size	Name
-rwxrwxrwx	acadgild	supergroup	91 B	1	128 MB	<a href="#">max-temp.txt</a>
-rw-rw-rw-	acadgild	supergroup	12 B	1	128 MB	<a href="#">word-count.txt</a>

Hadoop, 2016.

