

Bigdata assignment 1.4

Task 3 -

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

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

Example:

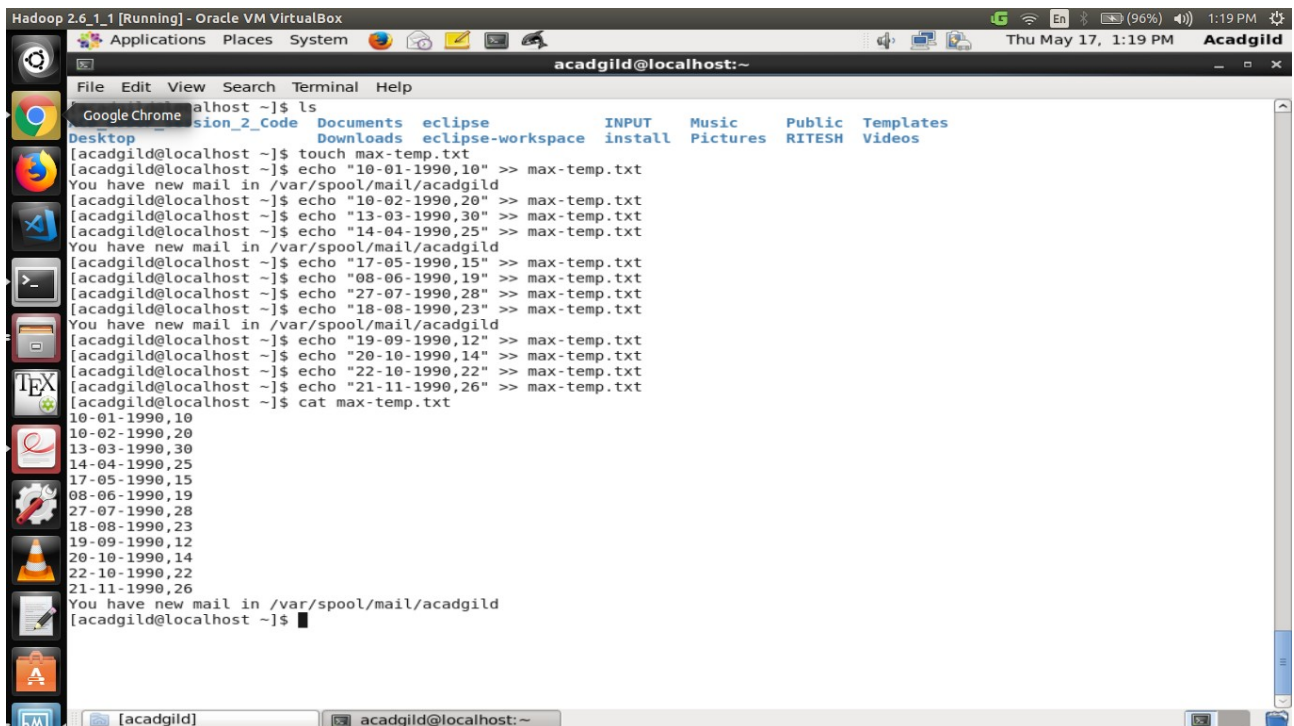
10-01-1990,10

10-02-1991,20

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

Solution :-

- Created a max-temp.txt file using touch command in the local fs-
touch max-temp.txt
- Inserted 12 records in int using echo command -
echo "10-02-1990,20" >> max-temp.txt
- Move the file into /user/acadgild/hadoop by using the command
hadoop fs -put /user/acadgild/hadoop/max-temp.txt



```
Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadgild@localhost: ~
File Edit View Search Terminal Help
Desktop Desktop session_2_Code Downloads eclipse eclipse-workspace INPUT Music Public Templates
install Pictures RITESH Videos
[acadgild@localhost ~]$ ls
[acadgild@localhost ~]$ touch max-temp.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ echo "10-01-1990,10" >> max-temp.txt
[acadgild@localhost ~]$ echo "10-02-1990,20" >> max-temp.txt
[acadgild@localhost ~]$ echo "13-03-1990,30" >> max-temp.txt
[acadgild@localhost ~]$ echo "14-04-1990,25" >> max-temp.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ echo "17-05-1990,15" >> max-temp.txt
[acadgild@localhost ~]$ echo "08-06-1990,19" >> max-temp.txt
[acadgild@localhost ~]$ echo "27-07-1990,28" >> max-temp.txt
[acadgild@localhost ~]$ echo "18-08-1990,23" >> max-temp.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ echo "19-09-1990,12" >> max-temp.txt
[acadgild@localhost ~]$ echo "20-10-1990,14" >> max-temp.txt
[acadgild@localhost ~]$ echo "22-10-1990,22" >> max-temp.txt
[acadgild@localhost ~]$ echo "21-11-1990,26" >> max-temp.txt
[acadgild@localhost ~]$ cat max-temp.txt
10-01-1990,10
10-02-1990,20
13-03-1990,30
14-04-1990,25
17-05-1990,15
08-06-1990,19
27-07-1990,28
18-08-1990,23
19-09-1990,12
20-10-1990,14
22-10-1990,22
21-11-1990,26
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
7213 Jps  
[acadgild@localhost ~]$ clear  
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop  
18/05/17 13:29:39 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
Found 1 items  
-rw-r--r-- 1 acadgild supergroup 227 2018-05-17 01:02 /user/acadgild/ha  
doop/word-count.txt  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -put max-temp.txt /user/acadgild/hadoop  
18/05/17 13:31:05 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry 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  
18/05/17 13:31:37 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
Found 2 items  
-rw-r--r-- 1 acadgild supergroup 168 2018-05-17 13:31 /user/acadgild/ha  
doop/max-temp.txt  
-rw-r--r-- 1 acadgild supergroup 227 2018-05-17 01:02 /user/acadgild/ha  
doop/word-count.txt  
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt  
18/05/17 13:32:16 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
10-01-1990,10  
10-02-1990,20  
13-03-1990,30  
14-04-1990,25  
17-05-1990,15  
08-06-1990,19  
27-07-1990,28  
18-08-1990,23  
19-09-1990,12  
20-10-1990,14  
22-10-1990,22  
21-11-1990,26  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$
```

As from the above screenshot , it is evident that file was created in local fs and then transferred from the local fs to the hdfs .

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:-

- Changed the file permission as given that to give full control to the owner and the group members and to others nothing .
- Command was **hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt**

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop  
18/05/17 13:34:53 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl  
asses where applicable  
Found 2 items  
-rw-r--r-- 1 acadgild supergroup 168 2018-05-17 13:31 /user/acadgild/hadoop/max-temp.txt  
-rw-r--r-- 1 acadgild supergroup 227 2018-05-17 01:02 /user/acadgild/hadoop/word-count.txt  
[acadgild@localhost ~]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt  
18/05/17 13:35:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl  
asses where applicable  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop  
18/05/17 13:36:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl  
asses where applicable  
Found 2 items  
-rwxrwx--- 1 acadgild supergroup 168 2018-05-17 13:31 /user/acadgild/hadoop/max-temp.txt  
-rw-r--r-- 1 acadgild supergroup 227 2018-05-17 01:02 /user/acadgild/hadoop/word-count.txt  
[acadgild@localhost ~]$
```

As from the above screenshot it is observed that the file max-temp.txt has permission (-rwxrwx---) which means owner and group members can have all control over it and others they have no control.