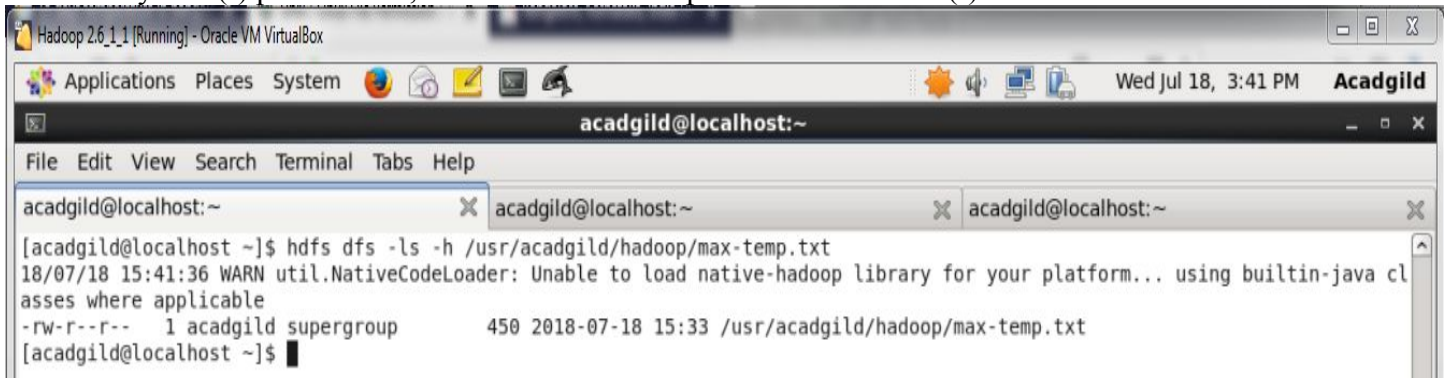


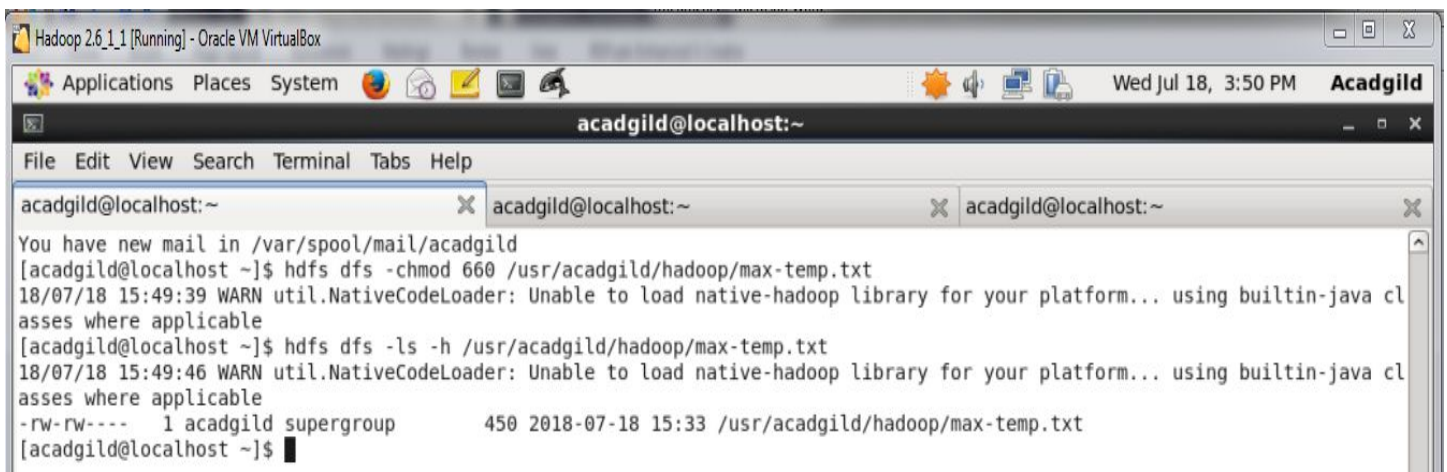
Task 4: Changing permission for the file max-temp.txt in hdfs.

1. A file can be read, write and execute by the various hierarchy people, like Owner (the creator of the file), Group (owner part of the team), and others (any one).
2. Each one (Owner, group, others) will be able to provide permissions on the file based on the read – write – execute permissions.
3. Lets see, what permissions the file *max-temp.txt* in hadoop has. This can be observed with option ***-ls -h***:
Ex: *\$hdfs dfs -ls -l /usr/acadgild/hadoop/max-temp.txt*
4. As a result in the picture you can observe that “-rw- - r- -r -” kind of string. Which stands for there is a permission for Owner (creator of the file) has read (r) and write (w) permissions. Group members have only read(r) permissions, and last others have permissions for read(r).



```
Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Tabs Help
acadgild@localhost:~
[acadgild@localhost ~]$ hdfs dfs -ls -h /usr/acadgild/hadoop/max-temp.txt
18/07/18 15:41:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
-rw-r--r--  1 acadgild supergroup          450 2018-07-18 15:33 /usr/acadgild/hadoop/max-temp.txt
[acadgild@localhost ~]$
```

5. Now i am changing the permissions for owner and group people with read(r) and write(w), but for others.
6. This can be done with option ***-chmod***:
Ex: *\$hdfs dfs -chmod 660 /usr/acadgild/hadoop/max-temp.txt*



```
Hadoop 2.6.1_1 [Running] - Oracle VM VirtualBox
Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Tabs Help
acadgild@localhost:~
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hdfs dfs -chmod 660 /usr/acadgild/hadoop/max-temp.txt
18/07/18 15:49:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hdfs dfs -ls -h /usr/acadgild/hadoop/max-temp.txt
18/07/18 15:49:46 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
-rw-rw----  1 acadgild supergroup          450 2018-07-18 15:33 /usr/acadgild/hadoop/max-temp.txt
[acadgild@localhost ~]$
```

7. It is a bitwise setting used to change the permissions (6 for read and write and 0 for no read, write and execute) for the owner, group and others.
8. As with the ***-ls -h*** options you can now observe that there are permissions for both owner and group have read and write permission to the file *max-temp.txt* but not for the others.
9. Here execute option is not provided for this file, because the is just a text file not an executable file.