

ASSIGNMENT -3

1. Display the user information who has logged in.
2. Temporarily assign admin privileges to current user and run the commands.
3. Create a new group called officials
4. Change the file permissions of a file first.txt to have all permissions.

```
anjalikumari@DESKTOP-D58MQ92:~$ w
 14:21:57 up 1:22, 0 users, load average: 0.52, 0.58, 0.59
USER      TTY      FROM          LOGIN@      IDLE   JCPU   PCPU   WHAT
anjalikumari@DESKTOP-D58MQ92:~$ whoami
anjalikumari
anjalikumari@DESKTOP-D58MQ92:~$ sudo -i
root@DESKTOP-D58MQ92:~# ls -l
total 0
root@DESKTOP-D58MQ92:~# ls -l -a
total 4
drwx----- 1 root root 512 Mar 28 14:34 .
drwxr-xr-x 1 root root 512 Mar 25 00:12 ..
-rw----- 1 root root 77 Mar 30 14:18 .bash_history
-rw-r--r-- 1 root root 3106 Dec 5 2019 .bashrc
-rw-r--r-- 1 root root 0 Mar 30 13:05 .motd_shown
-rw-r--r-- 1 root root 161 Dec 5 2019 .profile
root@DESKTOP-D58MQ92:~# exit
logout
anjalikumari@DESKTOP-D58MQ92:~$ sudo groupadd -g 1001 officials
groupadd: group 'officials' already exists
anjalikumari@DESKTOP-D58MQ92:~$ sudo tail /etc/group
ssh:x:114:
landscape:x:115:
admin:x:116:
netdev:x:117:anjalikumari
lxd:x:118:
anjalikumari:x:1000:
group1:x:10000:
newuser:x:1001:
first.txt:x:1002:
officials:x:10001:
anjalikumari@DESKTOP-D58MQ92:~$ chmod 777 first
anjalikumari@DESKTOP-D58MQ92:~$ ls -l first
total 0
anjalikumari@DESKTOP-D58MQ92:~$ ls -a first
.
..
anjalikumari@DESKTOP-D58MQ92:~$ ls -a -l first
total 0
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 13:48 .
drwxr-xr-x 1 anjalikumari anjalikumari 512 Mar 30 13:48 ..
anjalikumari@DESKTOP-D58MQ92:~$
```

5. Remove the read permissions from the second.txt file.

6. Give the owner to read and write permission, the group read permission and no permission to anyone else.

```
anjalikumari@DESKTOP-D58MQ92:~$ chmod 000 second.txt
anjalikumari@DESKTOP-D58MQ92:~$ ls -l -a second.txt
----- 1 anjalikumari anjalikumari 0 Mar 30 14:28 second.txt
anjalikumari@DESKTOP-D58MQ92:~$ chmod 640 iiht
anjalikumari@DESKTOP-D58MQ92:~$ ls -l -a iiht
ls: cannot access 'iiht/employees': Permission denied
ls: cannot access 'iiht/first.txt': Permission denied
ls: cannot access 'iiht/second.txt': Permission denied
ls: cannot access 'iiht/trainees': Permission denied
ls: cannot access 'iiht/trainer': Permission denied
total 0
drwxr----- 1 anjalikumari anjalikumari 512 Mar 30 14:10 .
drwxr-xr-x 1 anjalikumari anjalikumari 512 Mar 30 14:28 ..
d????????? ? ? ? ? ? ? employees
-????????? ? ? ? ? ? ? first.txt
-????????? ? ? ? ? ? ? second.txt
d????????? ? ? ? ? ? ? trainees
d????????? ? ? ? ? ? ? trainer
anjalikumari@DESKTOP-D58MQ92:~$ chmod 777 iiht
anjalikumari@DESKTOP-D58MQ92:~$ ls -l -a
total 12
drwxr-xr-x 1 anjalikumari anjalikumari 512 Mar 30 14:28 .
drwxr-xr-x 1 root root 512 Mar 25 00:13 ..
-rw----- 1 anjalikumari anjalikumari 3157 Mar 30 13:48 .bash_history
-rw-r--r-- 1 anjalikumari anjalikumari 220 Mar 25 00:13 .bash_logout
-rw-r--r-- 1 anjalikumari anjalikumari 3771 Mar 25 00:13 .bashrc
drwxr-xr-x 1 anjalikumari anjalikumari 512 Mar 25 00:14 .landscape
-rw-r--r-- 1 anjalikumari anjalikumari 0 Mar 30 13:00 .motd_shown
-rw-r--r-- 1 anjalikumari anjalikumari 807 Mar 25 00:13 .profile
-rw-r--r-- 1 anjalikumari anjalikumari 0 Mar 25 12:23 .sudo_as_admin_successful
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 13:48 first
-rw-r--r-- 1 newuser anjalikumari 34 Mar 30 13:48 first.txt
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 14:10 iiht
----- 1 anjalikumari anjalikumari 0 Mar 30 14:28 second.txt
anjalikumari@DESKTOP-D58MQ92:~$ sudo chmod first.txt first
```

7. Change the ownership of the file to first.txt.

8. Change the file group to another group of your own.

```
anjalikumari@DESKTOP-D58MQ92:~$ chown newuser first.txt
anjalikumari@DESKTOP-D58MQ92:~$ ls -h
first first.txt first1.txt iiht second.txt
anjalikumari@DESKTOP-D58MQ92:~$ ls -l
total 0
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 13:48 first
-rw-r--r-- 1 newuser      anjalikumari  34 Mar 30 13:48 first.txt
-rwxrwxrwx 1 anjalikumari anjalikumari   0 Mar 30 14:35 first1.txt
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 14:10 iiht
-rwxrwxrwx 1 anjalikumari anjalikumari   0 Mar 30 14:28 second.txt
anjalikumari@DESKTOP-D58MQ92:~$ chown :officials first.txt
chown: changing group of 'first.txt': Operation not permitted
anjalikumari@DESKTOP-D58MQ92:~$ ls -l
total 0
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 13:48 first
-rw-r--r-- 1 newuser      anjalikumari  34 Mar 30 13:48 first.txt
-rwxrwxrwx 1 anjalikumari anjalikumari   0 Mar 30 14:35 first1.txt
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 14:10 iiht
-rwxrwxrwx 1 anjalikumari anjalikumari   0 Mar 30 14:28 second.txt
anjalikumari@DESKTOP-D58MQ92:~$ chown --reference=first.txt second.txt
chown: changing ownership of 'second.txt': Operation not permitted
anjalikumari@DESKTOP-D58MQ92:~$ chown --reference=first.txt first1.txt
chown: changing ownership of 'first1.txt': Operation not permitted
anjalikumari@DESKTOP-D58MQ92:~$ chown --reference=first1.txt first.txt
chown: changing ownership of 'first.txt': Operation not permitted
anjalikumari@DESKTOP-D58MQ92:~$ chown --reference=first1.txt first
anjalikumari@DESKTOP-D58MQ92:~$ ls -l
total 0
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 13:48 first
-rw-r--r-- 1 newuser      anjalikumari  34 Mar 30 13:48 first.txt
-rwxrwxrwx 1 anjalikumari anjalikumari   0 Mar 30 14:35 first1.txt
drwxrwxrwx 1 anjalikumari anjalikumari 512 Mar 30 14:10 iiht
-rwxrwxrwx 1 anjalikumari anjalikumari   0 Mar 30 14:28 second.txt
anjalikumari@DESKTOP-D58MQ92:~$
```