1. Create a directory

2. Switch to this directory


```
Select lt-mayank@LT-MAYANKB: ~/softlink/location                                                          —  □  ×
lt-mayank@LT-MAYANKB:~$ mkdir Directory
lt-mayank@LT-MAYANKB:~$ ls
Directory  directory  jkl  jkl.txt  klj.txt  list.txt  may  may.txt  mb  mno.txt  newDirectory  nmo.txt  omn.txt
lt-mayank@LT-MAYANKB:~$ cd Directory
lt-mayank@LT-MAYANKB:~/Directory$ cd ..
lt-mayank@LT-MAYANKB:~$ touch normal.txt
lt-mayank@LT-MAYANKB:~$ ls
Directory  directory  jkl  jkl.txt  klj.txt  list.txt  may  may.txt  mb  mno.txt  newDirectory  nmo.txt  normal.txt  omn.txt
lt-mayank@LT-MAYANKB:~$ touch .hidden.txt
lt-mayank@LT-MAYANKB:~$ ls
Directory  directory  jkl  jkl.txt  klj.txt  list.txt  may  may.txt  mb  mno.txt  newDirectory  nmo.txt  normal.txt  omn.txt
lt-mayank@LT-MAYANKB:~$ ls -a
.     .bash_history  .bashrc    .hidden.txt  .profile                    .viminfo   directory  jkl.txt  list.txt  may.txt  mno.txt    nmo.txt    omn.txt
..    .bash_logout   .hid.txt   .motd_shown  .sudo_as_admin_successful   Directory  jkl        klj.txt  may       mb       newDirectory  normal.txt
lt-mayank@LT-MAYANKB:~$ ll
total 76
drwxr-x--- 7 lt-mayank lt-mayank 4096 Apr 10 18:27 ./
drwxr-xr-x 3 root      root      4096 Apr 10 15:51 ../
-rw------- 1 lt-mayank lt-mayank  326 Apr 10 16:30 .bash_history
-rw-r--r-- 1 lt-mayank lt-mayank  220 Apr 10 15:51 .bash_logout
-rw-r--r-- 1 lt-mayank lt-mayank 3771 Apr 10 15:51 .bashrc
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 17:04 .hid.txt
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 18:27 .hidden.txt
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 15:52 .motd_shown
-rw-r--r-- 1 lt-mayank lt-mayank  807 Apr 10 15:51 .profile
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 16:46 .sudo_as_admin_successful
-rw------- 1 lt-mayank lt-mayank 2512 Apr 10 17:02 .viminfo
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:25 Directory/
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:24 directory/
-rw-r--r-- 1 lt-mayank lt-mayank   35 Apr 10 16:25 jkl
-r-xr-xrw- 1 root      lt-mayank    0 Apr 10 16:27 jkl.txt*
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:11 klj.txt
-rw-r--r-- 1 lt-mayank lt-mayank 1207 Apr 10 17:12 list.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 16:23 may/
-rw-r--r-- 1 lt-mayank lt-mayank   32 Apr 10 15:58 may.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 16:11 mb/
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:02 mno.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:20 newDirectory/
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:06 nmo.txt
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 18:27 normal.txt
-rw-r--r-- 1 lt-mayank lt-mayank   51 Apr 10 17:08 omn.txt
lt-mayank@LT-MAYANKB:~$ chmod 644 .hidden.txt
lt-mayank@LT-MAYANKB:~$ ll
total 76
```
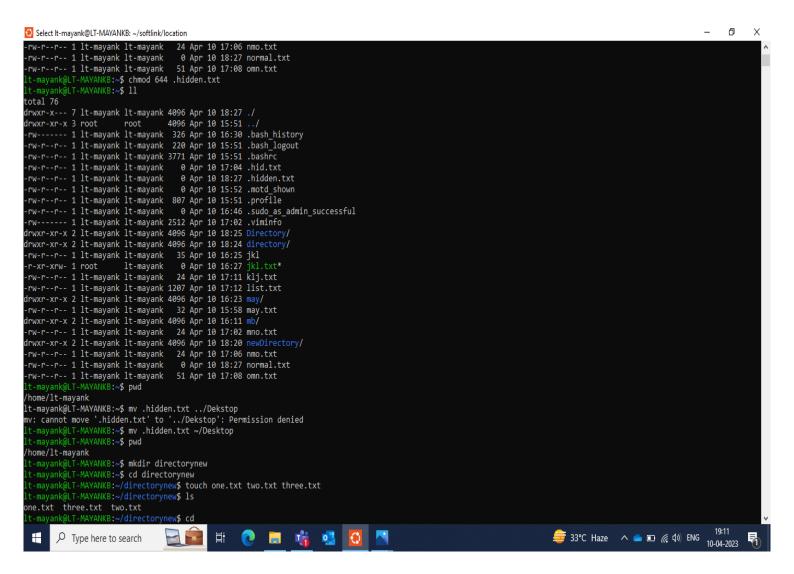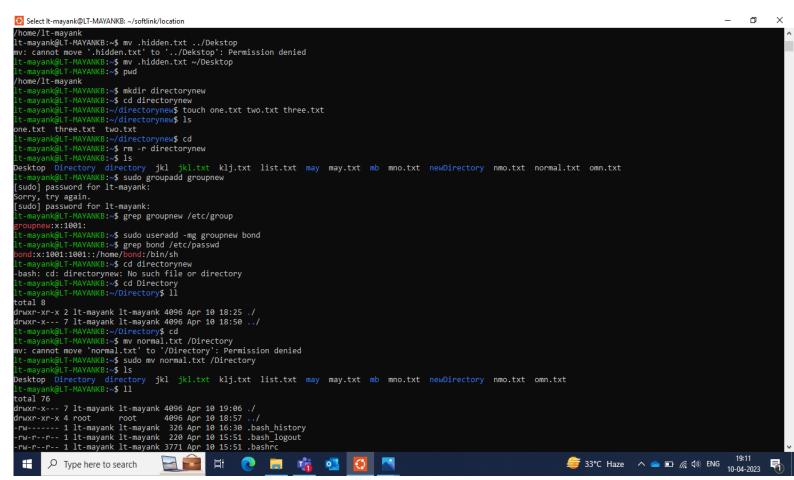
3. Create a normal text file

4. Create a hidden text file

```
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:06 nmo.txt
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 18:27 normal.txt
-rw-r--r-- 1 lt-mayank lt-mayank   51 Apr 10 17:08 omn.txt
lt-mayank@LT-MAYANKB:~$ chmod 644 .hidden.txt
lt-mayank@LT-MAYANKB:~$ ll
total 76
drwxr-x--- 7 lt-mayank lt-mayank 4096 Apr 10 18:27 ./
drwxr-xr-x 3 root      root      4096 Apr 10 15:51 ../
-rw------- 1 lt-mayank lt-mayank  326 Apr 10 16:30 .bash_history
-rw-r--r-- 1 lt-mayank lt-mayank  220 Apr 10 15:51 .bash_logout
-rw-r--r-- 1 lt-mayank lt-mayank 3771 Apr 10 15:51 .bashrc
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 17:04 .hid.txt
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 18:27 .hidden.txt
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 15:52 .motd_shown
-rw-r--r-- 1 lt-mayank lt-mayank  807 Apr 10 15:51 .profile
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 16:46 .sudo_as_admin_successful
-rw------- 1 lt-mayank lt-mayank 2512 Apr 10 17:02 .viminfo
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:25 Directory/
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:24 directory/
-rw-r--r-- 1 lt-mayank lt-mayank   35 Apr 10 16:25 jkl
-r-xr-xrw- 1 root      lt-mayank    0 Apr 10 16:27 jkl.txt*
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:11 klj.txt
-rw-r--r-- 1 lt-mayank lt-mayank 1207 Apr 10 17:12 list.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 16:23 may/
-rw-r--r-- 1 lt-mayank lt-mayank   32 Apr 10 15:58 may.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 16:11 mb/
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:02 mno.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:20 newDirectory/
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:06 nmo.txt
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 18:27 normal.txt
-rw-r--r-- 1 lt-mayank lt-mayank   51 Apr 10 17:08 omn.txt
lt-mayank@LT-MAYANKB:~$ pwd
/home/lt-mayank
lt-mayank@LT-MAYANKB:~$ mv .hidden.txt ../Dekstop
mv: cannot move '.hidden.txt' to '../Dekstop': Permission denied
lt-mayank@LT-MAYANKB:~$ mv .hidden.txt ~/Desktop
lt-mayank@LT-MAYANKB:~$ pwd
/home/lt-mayank
lt-mayank@LT-MAYANKB:~$ mkdir directorynew
lt-mayank@LT-MAYANKB:~$ cd directorynew
lt-mayank@LT-MAYANKB:~/directorynew$ touch one.txt two.txt three.txt
lt-mayank@LT-MAYANKB:~/directorynew$ ls
one.txt  three.txt  two.txt
lt-mayank@LT-MAYANKB:~/directorynew$ cd
```

5. Modify the access of the hidden text file so that it can be edited only by root user.

6. Move the hidden file to a your desktop.

7. Create a directory, add 3 files into it and then remove the whole directory.

8. Create a new user group.

```
Desktop  Directory  directory  jkl  jkl.txt  klj.txt  list.txt  may  may.txt  mb  mno.txt  newDirectory  nmo.txt  omn.txt
lt-mayank@LT-MAYANKB:~$ ll
total 76
drwxr-x--- 7 lt-mayank lt-mayank 4096 Apr 10 19:06 ./
drwxr-xr-x 4 root      root      4096 Apr 10 18:57 ../
-rw------- 1 lt-mayank lt-mayank  326 Apr 10 16:30 .bash_history
-rw-r--r-- 1 lt-mayank lt-mayank  220 Apr 10 15:51 .bash_logout
-rw-r--r-- 1 lt-mayank lt-mayank 3771 Apr 10 15:51 .bashrc
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 17:04 .hid.txt
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 15:52 .motd_shown
-rw-r--r-- 1 lt-mayank lt-mayank  807 Apr 10 15:51 .profile
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 16:46 .sudo_as_admin_successful
-rw------- 1 lt-mayank lt-mayank 2512 Apr 10 17:02 .viminfo
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 18:27 Desktop
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:25 Directory/
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:24 directory/
-rw-r--r-- 1 lt-mayank lt-mayank   35 Apr 10 16:25 jkl
-r-xr-xrw- 1 root      lt-mayank    0 Apr 10 16:27 jkl.txt*
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:11 klj.txt
-rw-r--r-- 1 lt-mayank lt-mayank 1207 Apr 10 17:12 list.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 16:23 may/
-rw-r--r-- 1 lt-mayank lt-mayank   32 Apr 10 15:58 may.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 16:11 mb/
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:02 mno.txt
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:20 newDirectory/
-rw-r--r-- 1 lt-mayank lt-mayank   24 Apr 10 17:06 nmo.txt
-rw-r--r-- 1 lt-mayank lt-mayank   51 Apr 10 17:08 omn.txt
lt-mayank@LT-MAYANKB:~$ mkdir softlink
lt-mayank@LT-MAYANKB:~$ cd softlink
lt-mayank@LT-MAYANKB:~/softlink$ cd ../Directory
lt-mayank@LT-MAYANKB:~/Directory$ ls
lt-mayank@LT-MAYANKB:~/Directory$ cd -
/home/lt-mayank/softlink
lt-mayank@LT-MAYANKB:~/softlink$ touch newTextfile.txt
lt-mayank@LT-MAYANKB:~/softlink$ ll
total 8
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 19:08 ./
drwxr-x--- 8 lt-mayank lt-mayank 4096 Apr 10 19:07 ../
-rw-r--r-- 1 lt-mayank lt-mayank    0 Apr 10 19:08 newTextfile.txt
lt-mayank@LT-MAYANKB:~/softlink$ mkdir location
lt-mayank@LT-MAYANKB:~/softlink$ cd location
lt-mayank@LT-MAYANKB:~/softlink/location$ ln -s ../newTextfile.txt softtext.txt
lt-mayank@LT-MAYANKB:~/softlink/location$ ll
total 8
```

```
/home/lt-mayank
lt-mayank@LT-MAYANKB:~$ mv .hidden.txt ../Dekstop
mv: cannot move '.hidden.txt' to '../Dekstop': Permission denied
lt-mayank@LT-MAYANKB:~$ mv .hidden.txt ~/Desktop
lt-mayank@LT-MAYANKB:~$ pwd
/home/lt-mayank
lt-mayank@LT-MAYANKB:~$ mkdir directorynew
lt-mayank@LT-MAYANKB:~$ cd directorynew
lt-mayank@LT-MAYANKB:~/directorynew$ touch one.txt two.txt three.txt
lt-mayank@LT-MAYANKB:~/directorynew$ ls
one.txt  three.txt  two.txt
lt-mayank@LT-MAYANKB:~/directorynew$ cd
lt-mayank@LT-MAYANKB:~$ rm -r directorynew
lt-mayank@LT-MAYANKB:~$ ls
Desktop  Directory  directory  jkl  jkl.txt  klj.txt  list.txt  may  may.txt  mb  mno.txt  newDirectory  nmo.txt  normal.txt  omn.txt
lt-mayank@LT-MAYANKB:~$ sudo groupadd groupnew
[sudo] password for lt-mayank:
Sorry, try again.
[sudo] password for lt-mayank:
lt-mayank@LT-MAYANKB:~$ grep groupnew /etc/group
groupnew:x:1001:
lt-mayank@LT-MAYANKB:~$ sudo useradd -mg groupnew bond
lt-mayank@LT-MAYANKB:~$ grep bond /etc/passwd
bond:x:1001:1001::/home/bond:/bin/sh
lt-mayank@LT-MAYANKB:~$ cd directorynew
-bash: cd: directorynew: No such file or directory
lt-mayank@LT-MAYANKB:~$ cd Directory
lt-mayank@LT-MAYANKB:~/Directory$ ll
total 8
drwxr-xr-x 2 lt-mayank lt-mayank 4096 Apr 10 18:25 ./
drwxr-x--- 7 lt-mayank lt-mayank 4096 Apr 10 18:50 ../
lt-mayank@LT-MAYANKB:~/Directory$ cd
lt-mayank@LT-MAYANKB:~$ mv normal.txt /Directory
mv: cannot move 'normal.txt' to '/Directory': Permission denied
lt-mayank@LT-MAYANKB:~$ sudo mv normal.txt /Directory
lt-mayank@LT-MAYANKB:~$ ls
Desktop  Directory  directory  jkl  jkl.txt  klj.txt  list.txt  may  may.txt  mb  mno.txt  newDirectory  nmo.txt  omn.txt
lt-mayank@LT-MAYANKB:~$ ll
total 76
drwxr-x--- 7 lt-mayank lt-mayank 4096 Apr 10 19:06 ./
drwxr-xr-x 4 root      root      4096 Apr 10 18:57 ../
-rw------- 1 lt-mayank lt-mayank  326 Apr 10 16:30 .bash_history
-rw-r--r-- 1 lt-mayank lt-mayank  220 Apr 10 15:51 .bash_logout
-rw-r--r-- 1 lt-mayank lt-mayank 3771 Apr 10 15:51 .bashrc
```

9. Create a new user and assign a new user home and the previously created usergroup to the user.

10. Create a symbolic link in a different location for the file created in step 3.