1. Create a directory

```
t-ratank@lt-ratank:~$ mkdir Ratan
t-ratank@lt-ratank:~$
```

2. Switch to this directory

```
lt-ratank@lt-ratank:~$ cd Ratan
lt-ratank@lt-ratank:~/Ratan$
```

3. Create a normal text file

```
t-ratank@tt-ratank:~$ CO Ratan
t-ratank@lt-ratank:~/Ratan$ touch hello.txt
t-ratank@lt-ratank:~/Ratan$
```

4. Create a hidden text file

```
lt-ratank@lt-ratank:~/Ratan$ touch .test.txt
lt-ratank@lt-ratank:~/Ratan$
```

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

```
lt-ratank@lt-ratank:~/Ratan$ ls -l .test.txt
-rw-rw-r-- 1 lt-ratank lt-ratank 0 Jul 12 18:25 .test.txt
lt-ratank@lt-ratank:~/Ratan$ chmod 644 .test.txt
lt-ratank@lt-ratank:~/Ratan$ ls -l .test.txt
-rw-r--r-- 1 lt-ratank lt-ratank 0 Jul 12 18:25 .test.txt
lt-ratank@lt-ratank:~/Ratan$
```

6. Move the hidden file to a your desktop.

```
lt-ratank@lt-ratank:~/Ratan$ mv .fire.txt ~/Desktop
lt-ratank@lt-ratank:~/Ratan$
```

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

```
lt-ratank@lt-ratank:~$ mkdir tree
lt-ratank@lt-ratank:~$ cd tree
lt-ratank@lt-ratank:~/tree$ touch leaf.txt
lt-ratank@lt-ratank:~/tree$ touch branch.txt
lt-ratank@lt-ratank:~/tree$ touch root.txt
lt-ratank@lt-ratank:~/tree$ cd..
cd..: command not found
lt-ratank@lt-ratank:~/tree$ cd ..
lt-ratank@lt-ratank:~$ rm -r tree
lt-ratank@lt-ratank:~$
```

8. Create a new user group.

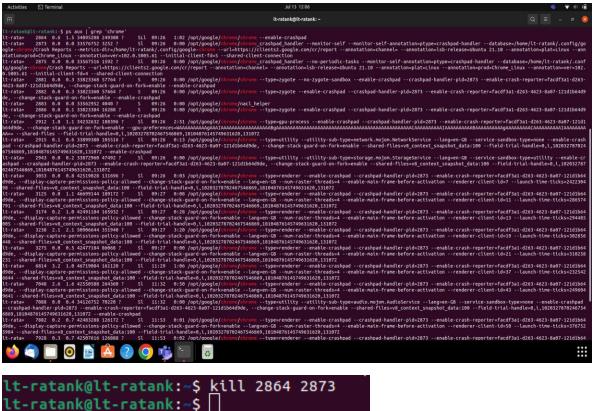
```
july2022:x:1002:
(END)
```

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

```
lt-ratank@lt-ratank:~/Ratan$ sudo useradd -q july2022 -d ~/Downlods aakash
[sudo] password for lt-ratank:
lt-ratank@lt-ratank:~/Ratan$ sudo passwd aakash
New password:
Retype new password:
passwd: password updated successfully
lt-ratank@lt-ratank:~/Ratan$ whoami
lt-ratank
lt-ratank@lt-ratank:~/Ratan$ sudo su - aakash
su: warning: cannot change directory to /home/lt-ratank/Downlods: Permission den
ied
$ whoami
aakash
$ pwd ~
/home/lt-ratank/Ratan
$ groups
july2022
```

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

11. Open google chrome or any other web browser, see its memory usage using top command and end the process using the ps and grep commands.



lt-ratank@lt-ratank:~\$

12. Use ssh and scp commands to download and modify files on an external machine.

```
lt-ratank@lt-ratank:~/Music$ ssh lt-nishantk@172.28.1.17
lt-nishantk@172.28.1.17's password:
Welcome to Ubuntu 21.10 (GNU/Linux 5.13.0-52-generic x86_64)
 * Documentation: https://help.ubuntu.com
 * Management:
                    https://landscape.canonical.com
 * Support:
                    https://ubuntu.com/advantage
5 updates can be applied immediately.
5 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
New release '22.04 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
Last login: Tue Jul 12 12:52:33 2022 from 172.28.2.171
lt-nishantk@lt-nishantk:~$ cd ~/
lt-nishantk@lt-nishantk:~$ ls
 esktop Documents Downloads Music Pictures Public RxL-Nishant-Kumar RxL-Nishant-Kumar.pub snap Templates Videos
lt-nishantk@lt-nishantk:~$ cd Downloads
lt-nishantk@lt-nishantk:~/Downloads$ ls
From_Nishant.txt From_Ratan.txt GIT.pptx Link3 LinuxTest Tay
lt-nishantk@lt-nishantk:~/Downloads$ scp ~/Downloads/From_Nishant.txt lt-ratank@172.28.2.22:~/Ratan
lt-ratank@172.28.2.22's password:
From_Nishant.txt
lt-nīshantk@lt-nīshantk:~/Downloads$ scp ~/Downloads/From_Nishant.txt lt-ratank@172.28.2.22:~/Ratan
```