## 1. Create a directory

2. Switch to this directory

```
lt-shashwats@lt-harshitp:~/Documents$ cd testing
lt-shashwats@lt-harshitp:~/Documents/testing$
```

3. Create a normal text file

```
lt-shashwats@lt-harshitp:~/Documents/testing$ touch harsh.txt
lt-shashwats@lt-harshitp:~/Documents/testing$
```

4. Create a hidden text file

```
lt-shashwats@lt-harshitp:~/Documents/testing$ touch .fruit.txt
```

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

```
lt-shashwats@lt-harshitp:~/Documents/testing$ chmod 700 .fruit.txt
lt-shashwats@lt-harshitp:~/Documents/testing$
```

6. Move the hidden file to a your desktop.

```
Lt-shashwats@lt-harshitp:~/Documents/testing$ mv .fruit.txt ~/Desktop
Lt-shashwats@lt-harshitp:~/Documents/testing$
```

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

```
lt-shashwats@lt-harshitp:~/Documents/testing$ cd -
/home/lt-shashwats/Documents
lt-shashwats@lt-harshitp:~/Documents$ mkdir harshit
lt-shashwats@lt-harshitp:~/Documents$ cd Harshit
bash: cd: Harshit: No such file or directory
lt-shashwats@lt-harshitp:~/Documents$ cd harshit
lt-shashwats@lt-harshitp:~/Documents/harshit$ touch one.txt,two.txt,three.txt
lt-shashwats@lt-harshitp:~/Documents/harshit$ cd -
/home/lt-shashwats/Documents
lt-shashwats@lt-harshitp:~/Documents$ rm -r harshit
lt-shashwats@lt-harshitp:~/Documents$
```

8. Create a new user group.

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

```
lt-shashwats@lt-harshitp:~/Documents$ sudo groupadd direct
[sudo] password for lt-shashwats:
lt-shashwats@lt-harshitp:~/Documents$
```

```
lt-shashwats@lt-harshitp:~/Documents$ sudo useradd -g direct -d /user/testuser
harshi
lt-shashwats@lt-harshitp:~/Documents$
```

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

```
lt-shashwats@lt-harshitp:~/Documents$ ln -s harsh.txt soft.txt
lt-shashwats@lt-harshitp:~/Documents$ ln harsh.txt hard.txt
```

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-shashwats@lt-harshitp:~
                          Documents$ top | grep chrome
                                                            0:43.55 chrome
1:39.89 chrome
1:39.98 chrome
                          32.5g 238672 160372 S
  3001 lt-shas+ 20
                     0
                                                 6.7
                                                       1.5
  8506 lt-shas+
                20
                     0
                          40.6g 287940 104344 S
                                                 2.3
                                                       1.8
  8506 lt-shas+
                20
                     0
                          40.6g 287940 104344 S
                                                 3.0
                                                       1.8
                          32.5g 238672 160372 S
  3001 lt-shas+
                20
                     0
                                                             0:43.56
                                                 0.3
                                                       1.5
                         32.3g 103684 83340 S
40.6g 287940 104344 S
  3051 lt-shas+
                20
                     0
                                                 0.3
                                                       0.6
                                                             0:10.27
  8506 lt-shas+
                20
                     0
                                                 2.7
                                                       1.8
                                                             1:40.06
  3001 lt-shas+
                          32.5g 238672 160372 S
                                                       1.5
                20
                     0
                                                 0.3
                                                             0:43.57
  8506 lt-shas+
                20
                          40.6g 287940 104344 S
                                                 1.7
                                                       1.8
                                                             1:40.11
                          32.5g 238768 160448 S
  3001 lt-shas+
                20
                     0
                                                 0.3
                                                       1.5
                                                             0:43.58
                          40.6g 287640 104344 S
  8506 lt-shas+
                20
                     0
                                                 2.3
                                                       1.8
                                                             1:40.18
                          32.3g 103668 83340 S
  3051 lt-shas+
                20
                     0
                                                 0.3
                                                       0.6
                                                             0:10.28
                          40.6g 287640 104344 S
  8506 lt-shas+
                20
                     0
                                                 2.7
                                                       1.8
                                                             1:40.26
  3001 lt-shas+
                20
                     0
                          32.5g 238764 160448 S
                                                 0.3
                                                       1.5
                                                             0:43.59
                          40.6g 287640 104344 S
  8506 lt-shas+
                                                 2.7
                                                       1.8
                                                            1:40.34
                          40.6g 286468 104380 S
  8506 lt-shas+
                     0
                                                            1:40.46
                20
                                                 4.0
                                                       1.8
  3001 lt-shas+
                20
                     0
                          32.5g 238764 160448 S
                                                            0:43.61
                                                 0.7
                                                       1.5
                          32.6g 174376 101112 S
  3048 lt-shas+
                20
                     0
                                                 0.3
                                                       1.1
                                                             0:59.04
                          32.3g 103664 83340 S
  3051 lt-shas+
                                                             0:10.29
                20
                     0
                                                 0.3
                                                       0.6
                          40.6g 286468 104380 S
  8506 lt-shas+
                                                             1:40.53
                20
                     0
                                                 2.3
                                                       1.8
  3001 lt-shas+
                20
                     0
                          32.5g 238764 160448 S
                                                 0.3
                                                       1.5
                                                            0:43.62
                          32.3g 103660 83340 S
  3051 lt-shas+
                20
                     0
                                                 0.3
                                                       0.6
                                                            0:10.30
                          40.6g 286468 104380 S
  8506 lt-shas+
                20
                     0
                                                 3.0
                                                       1.8
                                                             1:40.62
  3001 lt-shas+
                          32.5g 238764 160448 S
                20
                     0
                                                 0.3
                                                       1.5
                                                             0:43.63
  3048 lt-shas+
                          32.6g 174276 101112 S
                                                             0:59.05
                20
                     0
                                                 0.3
                                                       1.1
                          40.6g 286468 104380 S
  8506 lt-shas+
                20
                                                 2.7
                                                       1.8
                                                            1:40.70
                          32.5g 238764 160448 S
  3001 lt-shas+
                20
                     0
                                                 0.3
                                                       1.5 0:43.64
  8506 lt-shas+
                          40.6g 286468 104380 S
                                                             1:40.78
                20
                     0
                                                 2.7
                                                       1.8
                          32.5g 238764 160448 S
  3001 lt-shas+
                20
                     0
                                                 0.3
                                                       1.5
                                                             0:43.65
                          32.3g 103644 83340 S
  3051 lt-shas+
                20
                     0
                                                 0.3
                                                       0.6
                                                             0:10.31
                          40.6g 286468 104380 S
  8506 lt-shas+
                20
                     0
                                                 2.3
                                                       1.8
                                                             1:40.85
  3001 lt-shas+
                20
                     0
                          32.5g 238764 160448 S
                                                 0.3
                                                      1.5
                                                            0:43.66
                          40.6g 286468 104380 S
  8506 lt-shas+
                20
                     0
                                                 3.0
                                                       1.8
                                                            1:40.94
                          40.6g 286224 104380 S
  8506 lt-shas+
                20
                     0
                                                 2.7
                                                       1.8
                                                             1:41.02
                          32.5g 238764 160448 S
  3001 lt-shas+
                20
                     0
                                                 0.7
                                                       1.5
                                                             0:43.68
  8506 lt-shas+
                     0
                          40.6g 286224 104380 S
                                                 2.7
                                                             1:41.10
                20
                                                       1.8
                          32.5g 238764 160448 S
  3001 lt-shas+
                20
                                                 0.3
                                                       1.5
                                                             0:43.69
                          32.3g 103660 83340 S
  3051 lt-shas+
                20
                     0
                                                 0.3
                                                       0.6
                                                             0:10.32
                         40.6g 286224 104380 S 2.3
  8506 lt-shas+ 20
                     0
                                                             1:41.17
                                                       1.8
```