

FILE ATTRIBUTES

1. Create a file abc.txt and change the ownership of this file to some other user on your machine, and also change the group to family.

Ans: `cat > abc.txt`
`sudo chown newowner abc.txt`

```
bgmadhavan@bgm-virtual-machine:~/demodir$ ls -l
total 8
-rw-rw-r-- 1 sam          bgmadhavan   13 Sep 14 11:58 abc.txt
drwxrwxr-x 2 bgmadhavan bgmadhavan 4096 Sep 14 11:51 inside_demo
```

2. Create a file exercise.txt and make it executable.

Ans: `cat > exercise.txt`
`chmod =x exercise.txt`

```
bgmadhavan@bgm-virtual-machine:~/demodir$ ls -l
total 12
-rw-rw-r-- 1 sam          bgmadhavan   13 Sep 14 11:58 abc.txt
---x--x--x 1 bgmadhavan bgmadhavan   13 Sep 14 12:03 exercise.txt
drwxrwxr-x 2 bgmadhavan bgmadhavan 4096 Sep 14 11:51 inside_demo
```

3. Create a file test.txt on your desktop and identify its inode number, also create a softlink for test.txt in your home.

Ans: `cat > test.txt`
`ls -li test.txt`
`ln -s test.txt soft.txt`

```
bgmadhavan@bgm-virtual-machine:~/demodir$ ls -li
919571 abc.txt 919574 exercise.txt 919557 inside_demo 919590 test.txt
bgmadhavan@bgm-virtual-machine:~/demodir$
```

```
bgmadhavan@bgm-virtual-machine:~/demodir$ ls -li
919571 abc.txt          919590 hardlink.txt 919599 soft.txt
919574 exercise.txt    919557 inside_demo 919590 test.txt
bgmadhavan@bgm-virtual-machine:~/demodir$
```