

## Assignments 2: Permission & User Management

### Task 3: Permissions Management

**Create a file with your first name** - Command: `vim vahant.txt`

**Ensure that file can only be modified by you** - Command: `chmod 700 vahant.txt` - Command: `chmod u=rwx,g=,o= vahant.txt`

**Now update the capability where a set of trusted people can read & modify the file but not execute it**

- Command: `chmod 760 vahant.txt` - Command: `chmod u=rwx,g=rw,o= vahant.txt`

**As a last step let any user to read the file** - Command: `chmod 761 vahant.txt` - Command: `chmod u=rwx,g=rw,o=r vahant.txt`

```
vahant@Dranzer: ~/task
File Edit View Search Terminal Help
vahant@Dranzer:~$ ls
class Documents Music Pictures ram1 Templates
Desktop Downloads myscripts Public ram2 Videos
vahant@Dranzer:~$ mkdir task
vahant@Dranzer:~$ cd task/
vahant@Dranzer:~/task$ ls
vahant@Dranzer:~/task$ vim vahant.txt
vahant@Dranzer:~/task$ chmod 700 vahant.txt
vahant@Dranzer:~/task$ chmod 760 vahant.txt
vahant@Dranzer:~/task$ ls -l
total 4
-rwxrw---- 1 vahant vahant 1 Aug 23 20:14 vahant.txt
vahant@Dranzer:~/task$ chmod 761 vahant.txt
vahant@Dranzer:~/task$ ls -l
total 4
-rwxrw--x 1 vahant vahant 1 Aug 23 20:14 vahant.txt
vahant@Dranzer:~/task$
```

## **Task 4: User Management**

**Create a new user with first name** -Command: `sudo useradd Vahant`

**Create another user with your lastname representing service**

-Command: `sudo useradd -r Sharma`

**Remove home directory information for lastname user** -Command:

`sudo rm -rf /home/Sharma`

**Remove login shell for lastname user** -Command: `sudo usermod -s`

`/bin/false Sharma`

**List both the users** -Command: `cut -d: -f1 /etc/passwd`

**Create user Rahul. By default file1 should be present in home**

**directory of Rahul user.** -Command: `sudo useradd Rahul` -Command:

`sudo touch /home/Rahul/file1` -Command: `sudo chmod 644`

`/home/Rahul/file1`

**Do cleanup** -Command: `sudo userdel -r Vahant` `sudo userdel -r Rahul`

`sudo userdel Sharma`