

1. Creation of "Islam User"

1. `sudo useradd -m islam -c "Islam Asker"`
2. `sudo passwd islam`

2. Creation of "bad User"

1. `sudo useradd -m baduser -c "Bad User"`
2. `sudo passwd baduser`

3. Creation of group pgroup

- `sudo groupadd -g 30000 pgroup`

4. Creation of group badgroup

- `sudo groupadd badgroup`

5. add islam to pgroup

1. `sudo usermod -aG pgroup islamm`

6. modify islam password

1. `sudo passwd islam`

7. add time expiry date for password

1. `sudo chage -M 30 islam`

8. lock baduser acc

1. `sudo usermod -L baduser`

9. delete baduser

1. `sudo userdel baduser`

10. delete badgroup

1. `sudo groupdel badgroup`

13. mkdir , change owner permissions to read only

1.

```
iti@iti:~$ mkdir myteam
iti@iti:~$ chmod 400 myteam/
```

14. logout and login

1. `sudo su - islam`

15. try access myteam

1.

```
iti@iti:~$ cd myteam
bash: cd: myteam: Permission denied
```

16. manipulating the oldpassword file

```

iti@iti:~/Desktop$ chmod 631 oldpasswd
iti@iti:~/Desktop$ ls -l
total 0
-rw--wx--x 1 iti iti 0 Dec 21 14:34 oldpasswd
iti@iti:~/Desktop$ chmod u=rw,g=wx,o=x oldpasswd
iti@iti:~/Desktop$ ls -l

```

- 1.
2. `umask 035`
3. `666` for a file , `777` for a folder
4. `umask 777`

```

islam@iti:~$ ls -l
total 4
d----- 2 islam islam 4096 Dec 21 15:05 noprem
----- 1 islam islam 0 Dec 21 15:05 nopremfile

```

5.

17. Minimum Permissions:

1. Copy directory
 1. source: read
 2. target: write
2. Copy file
 1. Source: read
 2. target: write
3. delete a file: write
4. cd: execute
5. ls: execute
6. cat: read
7. modify file: read,write

```

islam@iti:~$ touch opfile
islam@iti:~$ chmod 444 opfile
islam@iti:~$ rm opfile
rm: remove write-protected regular empty file 'opfile'? y

```

18.

19. the file allows execution while the folder is allowing you to enter the folder and ls the contents inside it