Lab 2 RHSA part two

13- Create a folder called myteam in your home directory and change its permissions to read only for the owner. `chmod 400 myteam`

```
eslam@eslam:~$ mkdir myteam
eslam@eslam:~$ chmod 700 myteam
eslam@eslam:~$ chmod 400 myteam
eslam@eslam:~$
```

14- Log out and log in by another user `su username`

`exit` then `su islam`

```
eslam@eslam:~$ su islam
Password:
$ whoami
islam
$
```

15- Try to access (by cd command) the folder (myteam)

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

16- Using the command Line

1- Change the permissions of oldpasswd file to give owner read and write permissions and for group write and execute and execute only for the others (using chmod in 2 different ways)

```
eslam@eslam:~$ chmod 631 oldpasswd
eslam@eslam:~$
```

other way

```
eslam@eslam:~$ umask 7777
eslam@eslam:~$ touch oldpasswd; chmod u+rw, g+rx, o+x oldpasswd
chmod: invalid mode: ‘u+rw,’
Try 'chmod --help' for more information.
eslam@eslam:~$ chmod u+rw,g+rx,o+x oldpasswd
eslam@eslam:~$
```

- Change your default permissions to be as above.

```
eslam@eslam:~$ umask 0126
eslam@eslam:~$
```

What is the maximum permission a file can have, by default when it is just

```
0002
eslam@eslam:~$ umask 0000
```

- Change your default permissions to be no permission to everyone then create a directory and a file to verify.

```
eslam@eslam:~$ umask 7777
eslam@eslam:~$
```

```
mkdir perms; touch permsfile
```

```
d---------  2 eslam eslam   4096 16:51 18 مار  perms
----------  1 eslam eslam      0 16:51 18 مار  permsfile
```

17- What are the minimum permission needed for:

- Copy a directory (permission for source directory and permissions for target parent directory) read and execute for source ----- write and execute for destination

- Copy a file (permission for source file and and permission for target parent directory) read for source ------ write and execute for destination
-
- Delete a file no permit required
- Change to a directory execute permission
- List a directory content (ls command) read and execute
- View a file content (more/cat command) read permission
- Modify a file content. Write permission

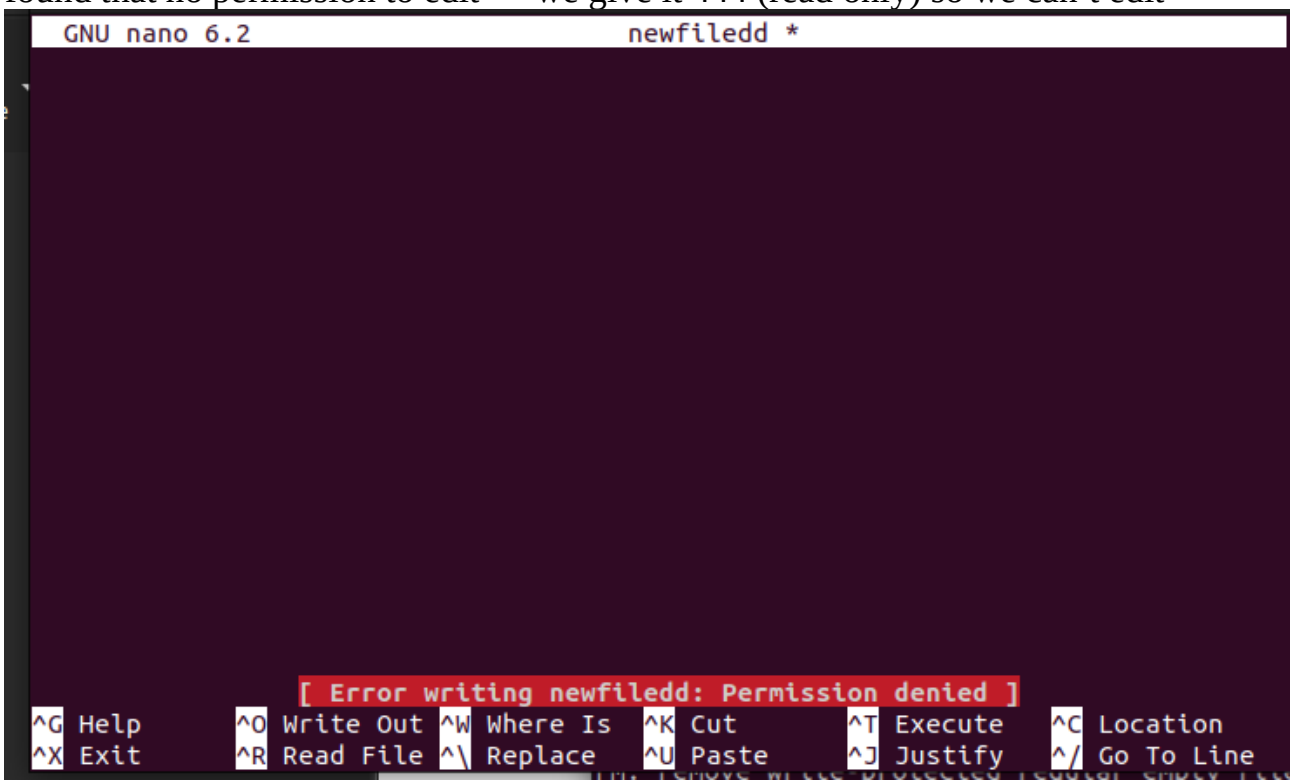
18. Create a file with permission 444. Try to edit in it and to remove it? Note what happened.

```
eslam@eslam:~$ touch newfiledd ; chmod 444 newfiledd
eslam@eslam:~$ rm newfiledd
rm: remove write-protected regular empty file 'newfiledd'? y
eslam@eslam:~$
```

When trying to edit

```
eslam@eslam:~$ touch newfiledd; chmod 444 newfiledd
eslam@eslam:~$ nano newfiledd
```

found that no permission to edit --- we give it 444 (read only) so we can't edit



19- What is the difference between the "x" permission for a file and for a directory?

In directory permission x => allows owner to use cd (change directory) to see its contents (files and dirs inside this directory)

in files permisssion x => Only to Execute the code inside it