

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

```
(kali㉿kali)-[/home]
$ sudo mkdir myteam
[sudo] password for kali:

(kali㉿kali)-[/home]
$ ls -l
total 8
drwx----- 18 kali kali 4096 Dec 16 18:25 kali
drwxr-xr-x  2 root root 4096 Dec 16 18:27 myteam

(kali㉿kali)-[/home]
$ chmod u-w myteam
chmod: changing permissions of 'myteam': Operation not permitted

(kali㉿kali)-[/home]
$ sudo chmod u-w myteam

(kali㉿kali)-[/home]
$ ls -l
total 8
drwx----- 18 kali kali 4096 Dec 16 18:25 kali
dr-xr-xr-x  2 root root 4096 Dec 16 18:27 myteam

(kali㉿kali)-[/home]
$ sudo chmod u-x myteam

(kali㉿kali)-[/home]
$ ls -l
total 8
drwx----- 18 kali kali 4096 Dec 16 18:25 kali
dr--r-xr-x  2 root root 4096 Dec 16 18:27 myteam

(kali㉿kali)-[/home]
$ sudo chmod g-r myteam : g-x myteam
```

14- Log out and log in by another user:

Su -newuser

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

Cd myteam : access denied.

16- Using the command Line • 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)

```
File Actions Edit View Help
newuser@kali:/home/kali$ sudo chmod 751 oldpasswd
newuser@kali:/home/kali$ ls -l oldpasswd
ls: cannot access 'oldpasswd': Permission denied
newuser@kali:/home/kali$ sudo ls -l oldpasswd
-rwxr-x--x 1 kali kali 3215 Dec  9 08:53 oldpasswd
```

Second method: `chmod u+rw,g+rx,o+x filename`

- Change your default permissions to be as above:  
Umask 751
- What is the maximum permission a file can have, by default when it is just created? And what is that for directory.  
File:666  
Directory:777
- Change your default permissions to be no permission to everyone then create a directory and a file to verify.

```
newuser@kali:~$ umask 777
newuser@kali:~$ mkdir dir2
newuser@kali:~$ ls -lah
total 16K
drwxrwxrwx 4 root root 4.0K Dec 16 20:56 .
drwxr-xr-x 5 root root 4.0K Dec 16 20:54 ..
drwxrwxrwx 2 newuser newuser 4.0K Dec 16 20:55 dir1
d----- 2 newuser newuser 4.0K Dec 16 20:56 dir2
newuser@kali:~$ touch newfile
newuser@kali:~$ ls -l newfile
----- 1 newuser newuser 0 Dec 16 20:58 newfile
```

-What are the minimum permission needed for:

- Copy a directory (permission for source directory and permissions for target parent directory)
- Copy a file (permission for source file and permission for target parent directory)
- Delete a file
- Change to a directory
- List a directory content (ls command)
- View a file content (more/cat command)
- Modify a file content?

Delete a file: write permission on the directory.

Change to a directory: execute permission on the directory.

List a directory content (ls command): read and execute permissions on the directory.

View a file content (more/cat command): read and execute permissions on the directory.

View a file content (more/cat command): read permission on the file.

Modify a file content: write permission on the file.

- Create a file with permission 444. Try to edit it and to remove it? Note what happened.  
touch newfile.txt  
chmod 444 newfile  
read permission only, but no write or execute permission.

19- For files, the execution permission allows the file to be executed as a program or script.