File permissions for files/directories in symbolic method

default permission for filename is 644

default permission for directory is 755

3-types of permission

->READ (R)

--->WRITE (W)

--->EXECUTE (x)

each permission of (rwx) controlled by 3-levels

U -- user/owner (yourself)

G -- group (people on same project)

O -- other (everyone on system)

U - rwx

G - rwx

O - rwx

command to change permission chmod

(-) minus

(+) add

(a) all permissions

[nithin@India ~]$ cat captain

30 soliders on west

56 solider on northway

[nithin@India ~]$ ls -ltr captain

-rw-rw-r-- 1 nithin nithin 43 Jul 21 16:25 captain

[nithin@India ~]$ chmod a+rwx captain

[nithin@India ~]$ ls -ltr captain

-rwxrwxrwx 1 nithin nithin 43 Jul 21 16:25 captain

[nithin@India ~]$ chmod u-w,o-x captain

[nithin@India ~]$ ls -ltr captain

-r-xrwxrw- 1 nithin nithin 43 Jul 21 16:25 captain

[nithin@India ~]$ chmod g-rwx captain

[nithin@India ~]$ ls -ltr captain

-r-x---rw- 1 nithin nithin 43 Jul 21 16:25 captain

File permissions for files/directories in numeric method

--- READ -4

---WRITE -2

--- execute - 1

[nithin@India ~]$ chmod 777 captain

[nithin@India ~]$ ls -ltr captain

-rwxrwxrwx 1 nithin nithin 43 Jul 21 16:25 captain

[nithin@India ~]$ chmod 600 captain

[nithin@India ~]$ ls -ltr captain

-rw------- 1 nithin nithin 43 Jul 21 16:25 captain

[nithin@India ~]$ chmod 123 captain

[nithin@India ~]$ ls -ltr captain

---x-w--wx 1 nithin nithin 43 Jul 21 16:25 captain

[nithin@India ~]$ chmod 664 captain

[nithin@India ~]$ ls -ltr captain

-rw-rw-r-- 1 nithin nithin 43 Jul 21 16:25 captain