

UBUNTU COMMANDS
OPERATING SYSTEMS LABS



ASSIGNMENT # 01

Submitted By

Abdullah Tahir Khurshid
(19P-0067)

Submitted to

MR. MUHAMMAD ABDULLAH
(COMPUTER INSTRUCTOR)

DEPARTMENT OF COMPUTER SCIENCE
FAST NATIONAL UNIVERSITY OF COMPUTER
AND EMERGING SCINCES, PESHAWAR
Session 2020-2024

TASK 1 (giving permissions to OTHERS)

a.To allow others to execute file and directory.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod o=x assignment/task1.c
chmod: cannot access 'assignment/task1.c': No such file or directory
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ clear

(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod o=x assignemnt/task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod o=xassignemnt
```

```
drwxrwx--x  2 abdullah abdullah    4096 20:32 8 جولائی assignemnt
-rw-rw---x  1 abdullah abdullah    345 18:33 13 جون task1.c
```

b. To allow others to write file

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ chmod o+w task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ ls -l
total 68
-rwxrwxr-x 1 abdullah abdullah 16936 08:55 11 اپریل a.out
-rwxrwxr-x 1 abdullah abdullah 16744 12:04 26 اپریل o
-rw-rw-r-- 1 abdullah abdullah 320 18:28 13 جون online1.c
-rw-rw--wx 1 abdullah abdullah 345 18:33 13 جون task1.c
-rwxrwxr-x 1 abdullah abdullah 16920 18:33 13 جون x
```

C.To give others read permissions on file and directory.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod o+r assignemnt/task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ cd assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ ls -l
total 68
-rwxrwxr-x 1 abdullah abdullah 16936 08:55 11 اپریل a.out
-rwxrwxr-x 1 abdullah abdullah 16744 12:04 26 اپریل o
-rw-rw-r-- 1 abdullah abdullah 320 18:28 13 جون online1.c
-rw-rw-rwx 1 abdullah abdullah 345 18:33 13 جون task1.c
-rwxrwxr-x 1 abdullah abdullah 16920 18:33 13 جون x
```

d.Give all permissions to others

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod o+rwX assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ ls -l
```

```
drwx---rwx  2 abdullah abdullah    4096 21:34 8 جولائی assignemnt
```

e. Take all permissions from others.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod o=--- assignemnt
```

```
drwx-----  2 abdullah abdullah    4096 21:34 8 جولائی assignemnt
```

TASK 2 (giving permissions to Group)

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod g+x assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod g+x assignemnt/task1
chmod: cannot access 'assignemnt/task1': No such file or directory
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod g+x assignemnt/task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~$
```

```
drwxrwx---  2 abdullah abdullah    4096 20:32 8 جولائی assignemnt
```

```
-rw-rwxrwx  1 abdullah abdullah    345 18:33 13 جون task1.c
```

b. To allow group to write file

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ cd assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ chmod g+w task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ ls -l
total 68
-rwxrwxr-x  1 abdullah abdullah 16936 08:55 11 اپریل a.out
-rwxrwxr-x  1 abdullah abdullah 16744 12:04 26 اپریل o
-rw-rw-r--  1 abdullah abdullah   320 18:28 13 جون online1.c
-rw-rwxrwx  1 abdullah abdullah   345 18:33 13 جون task1.c
-rwxrwxr-x  1 abdullah abdullah 16920 18:33 13 جون x
```

c. To give group read permissions on file and directory.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ cd ..
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod g+r assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod g+r assignemnt/task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~$
```

```
drwxrwx---  2 abdullah abdullah    4096 20:32 8 جولائی assignemnt
```

d. Give all permissions to group.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod g=rwx assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~$
```


e. Take all permissions from group

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod g=--- assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ ls -l
total 77324
-rw-rw-r-- 1 abdullah abdullah      22 09:54 6 اپریل abc
drwxrwxr-x 26 abdullah abdullah    4096 2020 28 اکتوبر anaconda3
-rwxrwxr-x 1 abdullah abdullah   16936 07:31 11 اپریل a.out
drwx----- 2 abdullah abdullah    4096 21:34 8 جولائی assignemnt
```

TASK 3 (giving permissions to OWNER)

a. To allow owner to execute file and directory.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod u+x assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ cd ./assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ chmod u+x task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$
x----- 2 abdullah abdullah    4096 20:32 8 جولائی assignemnt
-rwxrwxrwx 1 abdullah abdullah    345 18:33 13 جون task1.c
```

b. To allow owner to write file

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ sudo chmod u+w task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ ls -l
wxrwxrwx 1 abdullah abdullah    345 18:33 13 جون task1.c
```

c. To give owner read permissions on file and directory.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod u+r assignemnt
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ chmod u+r assignemnt/task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~$ ls -l
drwx----- 2 abdullah abdullah    4096 20:32 8 جولائی assignemnt
-rwxrwxrwx 1 abdullah abdullah    345 18:33 13 جون task1.c
```

d. Give all permissions to owner

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ chmod u=rwx task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ ls -l
drwxrwx--- 2 abdullah abdullah    4096 20:32 8 جولائی assignemnt
```

e. Take all permissions from owner.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ chmod u=--- task1.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ ls -l
total 68
-rwxrwxr-x 1 abdullah abdullah 16936 08:55 11 اپریل a.out
-rwxrwxr-x 1 abdullah abdullah 16744 12:04 26 اپریل o
-rw-rw-r-- 1 abdullah abdullah 442 21:34 8 جولائی online1.c
----rwxrwx 1 abdullah abdullah 345 18:33 13 جون task1.c
-rwxrwxr-x 1 abdullah abdullah 16912 21:34 8 جولائی x
```