

**UBUNTU COMMANDS**  
**OPERATING SYSTEMS LABS**



**ASSIGNMENT NO 2**

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**PESHAWAR**

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## Owner Commands with Numeric:

```
Desktop          HARDDRIVE          Pictures
noman@noman-siddique:~$ cd Documents
noman@noman-siddique:~/Documents$ ls
GradesA GradesB GradesC myfirst myfirst.c
noman@noman-siddique:~/Documents$ mkdir asjdtahir
noman@noman-siddique:~/Documents$ ls
asjdtahir GradesA GradesB GradesC myfirst myfirst.c
noman@noman-siddique:~/Documents$ cd asjdtahir
noman@noman-siddique:~/Documents/asjdtahir$ cat > asjdtahir1.txt
My name is asjid tahir
noman@noman-siddique:~/Documents/asjdtahir$ cd ..
noman@noman-siddique:~/Documents$ sudo chmod 177 asjdtahir
[sudo] password for noman:
noman@noman-siddique:~/Documents$ ls -l
total 40
d--xrw-rwx 2 noman noman 4096 22:18 25 اکتوبر asjdtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$
```

```

-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod 477 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
dr--rwxrwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod 277 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
d-w-rwxrwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod 077 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
d--rwxrwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod 777 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwxrwxrwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ s

```

## Owner Commands with Symbolic:

```

noman@noman-siddique:~/Documents$ cd asjdtahir
noman@noman-siddique:~/Documents/asjdtahir$ sudo chmod u+w asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ ls -l
total 4
-rw-rw-r-- 1 noman noman 22 22:18 25 اکتوبر asjdtahir1.txt
asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ sudo chmod u+r asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ ls -l
total 4
-rw-rw-r-- 1 noman noman 22 22:18 25 اکتوبر asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ sudo chmod u+x asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ ls -l
total 4
-rwxrw-r-- 1 noman noman 22 22:18 25 اکتوبر asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ sudo chmod u+rw asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ ls -l
total 4
-rwxrw-r-- 1 noman noman 22 22:18 25 اکتوبر asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ sudo chmod u-rwx asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ ls -l
total 4
---rw-r-- 1 noman noman 22 22:18 25 اکتوبر asjdtahir1.txt
noman@noman-siddique:~/Documents/asjdtahir$ cd ..
noman@noman-siddique:~/Documents$ sudo chmod 717 asjdtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwx--xrw 2 noman noman 4096 22:18 25 اکتوبر asjdtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$

```

## Group Commands with numeric:

```
noman@noman-siddique:~/Documents$ sudo chmod 727 asjiddtahir
```

```
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
```

```
drwx-w-rwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$ sudo chmod 747 asjiddtahir
```

```
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
```

```
drwxr--rwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$ sudo chmod 777 asjiddtahir
```

```
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
```

```
drwxrwxrwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$ sudo chmod 707 asjiddtahir
```

```
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
```

```
drwx---rwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```



```

-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod g+x asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwx--xrw 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod g+w asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwx-wxrw 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c

```

```

-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod g+r asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwxrwxrw 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod g+rw asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwxrwxrw 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod g-rwx asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwx--rw 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$

```

## Other Commands with Numeric:

```
noman@noman-siddique:~/Documents$ sudo chmod 771 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
drwxrwx--x 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$ sudo chmod 772 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
drwxrwx-w- 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$ sudo chmod 774 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
drwxrwxr-- 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$ sudo chmod 777 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
drwxrwxrwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod 770 asjiddtahir
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
drwxrwx--- 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```

-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod o+x asjdtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwxrwx--x 2 noman noman 4096 22:18 25 اکتوبر asjdtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod o+r^[[C asjdtahir
chmod: invalid mode: 'o+r\033[C'
Try 'chmod --help' for more information.
noman@noman-siddique:~/Documents$ sudo chmod o+r asjdtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwxrwxr-x 2 noman noman 4096 22:18 25 اکتوبر asjdtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod o-rwx asjdtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwxrwx--- 2 noman noman 4096 22:18 25 اکتوبر asjdtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c

```

```

-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
noman@noman-siddique:~/Documents$ sudo chmod o+x asjdtahir
noman@noman-siddique:~/Documents$ ls -l
total 40
drwxrwx--x 2 noman noman 4096 22:18 25 اکتوبر asjdtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c

```



Try `chmod --help` for more information.

```
noman@noman-siddique:~/Documents$ sudo chmod o+r asjiddtahir
```

```
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
```

```
drwxrwxr-x 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$ sudo chmod o-rwx asjiddtahir
```

```
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
```

```
drwxrwx--- 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$ sudo chmod o+rwx asjiddtahir
```

```
noman@noman-siddique:~/Documents$ ls -l
```

```
total 40
```

```
drwxrwxrwx 2 noman noman 4096 22:18 25 اکتوبر asjiddtahir
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesA
drwxrwxr-x 4 noman noman 4096 01:06 15 اکتوبر GradesB
drwxrwxr-x 3 noman noman 4096 01:06 15 اکتوبر GradesC
-rwxrwxr-x 1 noman noman 16928 02:04 15 اکتوبر myfirst
-rw-rw-r-- 1 noman noman 167 02:04 15 اکتوبر myfirst.c
```

```
noman@noman-siddique:~/Documents$
```