UBUNTU COMMANDS

OPERATING SYSTEMS LABS



ASSIGNMENT # 01

Submitted By

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Submitted to

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SYMBOLIC MODES

Owner:

1) To allow owner to execute file and directory.

```
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d------- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod u=x dir fil
e.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d--x----- 2 tahawar tahawar 4096 12:48 24 اكتوبر dir
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d--x----- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$
```

2) To allow owner to write file.

```
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d--x----- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod u+w file.tx
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d--x----- 2 tahawar tahawar 4096 12:48 24 الحدود المعاونة المعا
```

3) To give owner read permissions on file and directory.

```
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d--x----- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod u+r dir fil
e.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
dr-x----- 2 tahawar tahawar 4096 12:48 24 الحافة المعاونة المعاونة
```

4) Give all permissions to owner.

```
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
dr-x----- 2 tahawar tahawar 4096 12:48 24 كتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod u=rwx dir f
ile.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
drwx----- 2 tahawar tahawar 4096 12:48 24

dir -rwx dir f
ile.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
drwx----- 2 tahawar tahawar 4096 12:48 24

dir -rwx----- 1 tahawar tahawar 0 12:48 24

tahawar@tahawar-VirtualBox:~/Desktop/assig$
```

5) Take all permissions from owner.

Group:

1) To allow group to execute file and directory.

2) To allow group to write file.

```
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d----wx--- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod g+w file.t
xt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d----wx--- 2 tahawar tahawar 4096 12:48 24 اكتوبر dir
total 4
d----wx--- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d----wx--- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
```

3) To give group read permissions on file and directory.

4) Give all permissions to group.

```
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d---rwx--- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod g=rwx file.
txt dir
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d---rwx--- 2 tahawar tahawar 4096 12:48 24 اكتوبر dir
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d---rwx--- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$
```

5) Take all permissions from group.

Others:

1) To allow others to execute file and directory.

2) To allow others to write file.

3) To give others read permissions on file and directory.

4) Give all permissions to others

5) Take all permissions from others.

```
tahawar@tahawar-VirtualBox:~/Des... Q = - - 26

tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4

d------rwx 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt

tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod o-rwx file.

txt dir

tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4

d------- 2 tahawar tahawar 4096 12:48 24 اكتوبر 2 tahawar tahawar 0 12:48 24 اكتوبر file.txt

tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4

d------- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt

tahawar@tahawar-VirtualBox:~/Desktop/assig$
```

ABSOLUTE MODES

Owner:

1) To allow owner to execute file and directory.

2) To allow owner to write file.

```
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d--x----- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod 200 file.t
xt dir
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d-w------ 2 tahawar tahawar 4096 12:48 24 الحافة المنافقة المنافقة
```

3) To give owner read permissions on file and directory.

4) Give all permissions to owner.

5) Take all permissions from owner.

```
tahawar@tahawar-VirtualBox:~/Des... Q = - □ &

tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
drwx----- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod 000 file.t
xt dir
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d------ 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d------ 1 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
```

Group:

1) To allow group to execute file and directory.

```
Firefox Web Browser | war-VirtualBox: ~/Des...
                                       Q.
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
                                                             .26
total 4
dir اگتوبر 2 tahawar tahawar 4096 12:48 24
----- 1 tahawar tahawar
                               file.txt اكتوبر 24 48:12 0
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod 010 file.t
xt dir
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d----x--- 2 tahawar tahawar 4096 12:48 24 اکتوبر
-----x--- 1 tahawar tahawar
                               file.txt اكتوبر 24 12:48 0
tahawar@tahawar-VirtualBox:~/Desktop/assig$
```

2) To allow group to write file.

3) To give group read permissions on file and directory.

4) Give all permissions to group.

5) Take all permissions from group.

```
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d---rwx--- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod 000 file.t
xt dir
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d------ 2 tahawar tahawar 4096 12:48 24 اكتوبر besktop/assig$ ls -l
total 4
d------ 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l
total 4
d------ 1 tahawar tahawar 4096 12:48 24 اكتوبر file.txt
```

Others:

1) To allow others to execute file and directory.

2) To allow others to write file.

3) To give others read permissions on file and directory.

4) Give all permissions to others

5) Take all permissions from others.

```
tahawar@tahawar-VirtualBox:~/Des... Q = - □ ×

tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l

total 4

d------rwx 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt

tahawar@tahawar-VirtualBox:~/Desktop/assig$ chmod 000 file.t

xt dir

tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l

total 4

d------- 2 tahawar tahawar 4096 12:48 24 اكتوبر file.txt

tahawar@tahawar-VirtualBox:~/Desktop/assig$ ls -l

total 4

d------- 1 tahawar tahawar 0 12:48 24 اكتوبر file.txt

tahawar@tahawar-VirtualBox:~/Desktop/assig$
```