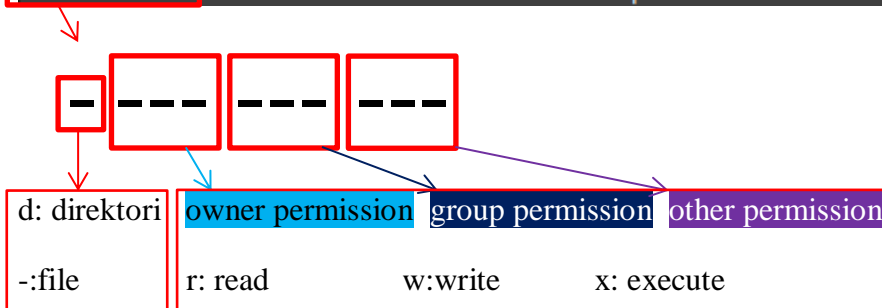Nama : Yasmin Ulayya

NPM : 21083010033

Kelas : A

Tutorial

Melihat permission dan akses berkas

```
yasminlyya@yasminlyya-VirtualBox:/$ ls -l
total 2097228
lrwxrwxrwx   1 root root         7 Sep  3 22:03 bin -> usr/bin
drwxr-xr-x   4 root root      4096 Sep  3 22:22 boot
drwxr-xr-x   2 root root      4096 Sep  3 22:07 cdrom
drwxr-xr-x  19 root root      4100 Sep 21 14:54 dev
drwxr-xr-x 147 root root     12288 Sep 21 14:44 etc
drwxr-xr-x   5 root root      4096 Sep 21 14:44 home
```

d: direktori	owner permission	group permission	other permission
-:file	r: read	w:write	x: execute

Lalu coba buat file.txt dan cek permissionnya

```
yasminlyya@yasminlyya-VirtualBox:~$ nano belajar.sh
yasminlyya@yasminlyya-VirtualBox:~$ ls -l
total 44
-rw-rw-r-- 1 yasminlyya yasminlyya   35 Sep 26 18:29 belajar.sh
drwxr-xr-x 2 yasminlyya yasminlyya 4096 Sep  3 22:17 Desktop
drwxr-xr-x 2 yasminlyya yasminlyya 4096 Sep 26 18:28 Documents
drwxr-xr-x 3 yasminlyya yasminlyya 4096 Sep 18 01:13 Downloads
-rw-r--r-- 1 root       root          6 Sep  9 18:20 keju.py
drwxr-xr-x 2 yasminlyya yasminlyya 4096 Sep  3 22:17 Music
drwxr-xr-x 2 yasminlyya yasminlyya 4096 Sep  9 17:09 Pictures
drwxr-xr-x 2 yasminlyya yasminlyya 4096 Sep  3 22:17 Public
drwxr-xr-x 2 yasminlyya yasminlyya 4096 Sep  3 22:17 Templates
drwxr-xr-x 2 yasminlyya yasminlyya 4096 Sep  3 22:17 Videos
drwxrwxr-x 3 yasminlyya yasminlyya 4096 Sep 10 18:47 yami
```

Lalu cek apakah bisa diakses dengan main user (yasminlyya)

```
yasminlyya@yasminlyya-VirtualBox:~$ ./belajar.sh
bash: ./belajar.sh: Permission denied
```

Karena denied maka kita bisa memakai solusi seperti berikut, bisa dilihat permissionnya sudah berubah.

```
yasminlyya@yasminlyya-VirtualBox:~$ chmod 774 belajar.sh
yasminlyya@yasminlyya-VirtualBox:~$ ls -l belajar.sh
-rwxrwxr-- 1 yasminlyya yasminlyya 35 Sep 26 18:40 belajar.sh
```

Management user

Buat user dengan command seperti ini

```
yasminlyya@yasminlyya-VirtualBox:/root$ sudo adduser ulayya
Adding user `ulayya' ...
Adding new group `ulayya' (1001) ...
Adding new user `ulayya' (1001) with group `ulayya' ...
Creating home directory `/home/ulayya' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for ulayya
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
```

Lalu kita cek, apa sudah berhasil dan ternyata sudah.

```
yasminlyya@yasminlyya-VirtualBox:/root$ cd /home/
yasminlyya@yasminlyya-VirtualBox:/home$ ls
'Belajar Bash Dasar'   Documents   Tugas-Sisop   ulayya   yasminlyya
```

Management group

Jangan lupa kembali ke tempat awal dengan ketik 'cd'

```
yasminlyya@yasminlyya-VirtualBox:/home$ cd
```

Buat group

```
yasminlyya@yasminlyya-VirtualBox:~$ sudo addgroup kls_sisop
Adding group `kls_sisop' (GID 1003) ...
Done.
```

Sekarang masukkan user ke dalam group

```
yasminlyya@yasminlyya-VirtualBox:~$ sudo adduser ulayya kls_sisop
Adding user `ulayya' to group `kls_sisop' ...
Adding user ulayya to group kls_sisop
Done.
```

Cara cek

```
yasminlyya@yasminlyya-VirtualBox:~$ groups ulayya
ulayya : ulayya kls_sisop
```

Masuk ke user 2 (ulayya)

```
yasminlyya@yasminlyya-VirtualBox:~$ su ulayya
Password:
ulayya@yasminlyya-VirtualBox:/home/yasminlyya$
```

Cara exit

Maka akan kembali ke user yasminlyya

```
ulayya@yasminlyya-VirtualBox:/$ exit
exit
yasminlyya@yasminlyya-VirtualBox:/$
```

Mengubah owner dan group pada sebuah file

Command mengubah owner, sekarang ownernya ulayya.

```
yasminlyya@yasminlyya-VirtualBox:~$ ls -l belajar.sh
-rw-rw-r-- 1 yasminlyya yasminlyya 30 Sep 26 17:55 belajar.sh
yasminlyya@yasminlyya-VirtualBox:~$ sudo chown ulayya belajar.sh
yasminlyya@yasminlyya-VirtualBox:~$ ls -l belajar.sh
-rw-rw-r-- 1 ulayya yasminlyya 30 Sep 26 17:55 belajar.sh
```

Command mengubah group

```
yasminlyya@yasminlyya-VirtualBox:~$ sudo chgrp kls_sisop belajar.sh
yasminlyya@yasminlyya-VirtualBox:~$ ls -l belajar.sh
-rw-rw-r-- 1 ulayya kls_sisop 30 Sep 26 17:55 belajar.sh
```

Sekarang coba masuk ke user 2 dan coba apakah file belajar.sh bisa diakses, dan ternyata denied.

```
yasminlyya@yasminlyya-VirtualBox:~$ su ulayya
Password:
ulayya@yasminlyya-VirtualBox:/home/yasminlyya$ ./belajar.sh
bash: ./belajar.sh: Permission denied
```

Sekarang kita cek apakah di main user (yasminlyya) file belajar.sh masi bisa diakses? Ternyata tidak bisa karena sudah bukan owner lagi.

```
yasminlyya@yasminlyya-VirtualBox:~/Documents$ ./belajar.sh
bash: ./belajar.sh: Permission denied
```

Cara mengaksesnya kembali dengan command seperti ini

Menghapus user dan group

Latihan Soal

Kita buat user keduanya dengan nama ulayya.

Membuat berkas .txt

a) Berkas .txt bisa dibaca dan di-edit oleh user pertama

Kita lihat di 3 huruf kedua masih rw yang berarti memiliki akses read dan write untuk user ulayya.

b) User kedua hanya bisa membaca berkas tersebut

Untuk mengubah permission kembali ke main user dengan ketik exit. Setelah itu lakukan perintah chmod 644 namafile.txt, ketikkan ls –l dan bisa kita lihat untuk user kedua kini hanya memiliki akses read.