

NAMA : SINTIYA RISTİYANI

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KELAS : SISTEM OPERASI A

## 1. Membuat file

```
sintyarst@sintyarst-VirtualBox: ~  
File Edit View Search Terminal Help  
sintyarst@sintyarst-VirtualBox:~$ nano Tugas4.sh
```

Nano untuk membuat file

```
sintyarst@sintyarst-VirtualBox:~$ ls -l  
total 116  
drwxrwxr-x 2 sintyarst sintyarst 4096 Sep 12 11:00 1  
-rw-rw-r-- 1 sintyarst sintyarst 193 Sep 14 13:39 array.sh  
drwxrwxr-x 3 sintyarst sintyarst 4096 Sep 12 11:11 'Belajar Bash Dasar'  
-rw-rw-r-- 1 sintyarst sintyarst 22 Sep 7 14:12 coba  
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 6 21:57 Desktop  
drwxr-xr-x 14 sintyarst sintyarst 4096 Sep 18 19:47 Documents  
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 6 21:57 Downloads  
drwxrwxr-x 2 sintyarst sintyarst 4096 Sep 12 10:04 FixTugas1  
-rw-rw-r-- 1 sintyarst sintyarst 100 Sep 14 13:59 input.sh  
-rw-rw-r-- 1 sintyarst sintyarst 30 Sep 14 13:46 integer.sh  
-rw-rw-r-- 1 sintyarst sintyarst 327 Sep 14 13:56 matematika.sh  
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 6 21:57 Music  
-rw-rw-r-- 1 sintyarst sintyarst 139 Sep 14 14:06 output1.sh  
-rw-rw-r-- 1 sintyarst sintyarst 206 Sep 14 14:11 output2.sh  
-rw-rw-r-- 1 sintyarst sintyarst 225 Sep 14 14:16 percabangan1.sh  
-rw-rw-r-- 1 sintyarst sintyarst 366 Sep 14 14:22 percabangan2.sh  
-rw-rw-r-- 1 sintyarst sintyarst 261 Sep 17 22:15 percobaan1.sh  
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 14 13:32 Pictures  
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 6 21:57 Public  
-rw-rw-r-- 1 sintyarst sintyarst 3 Sep 7 14:11 python.txt  
drwxrwxr-x 2 sintyarst sintyarst 4096 Sep 21 14:23 sisop3  
  
sintyarst@sintyarst-VirtualBox:~$ ls -l Tugas4.sh  
-rw-rw-r-- 1 sintyarst sintyarst 25 Sep 26 16:39 Tugas4.sh
```

Ls -l untuk menampilkan file

Muncul output `-rw-rw-r-- 1 sintyarst sintyarst 25 Sep 26 16:39 Tugas4.sh`. `-rw-rw-r-- 1`

melambangkan jenis berkas dan hak akses file/direktori (permission).

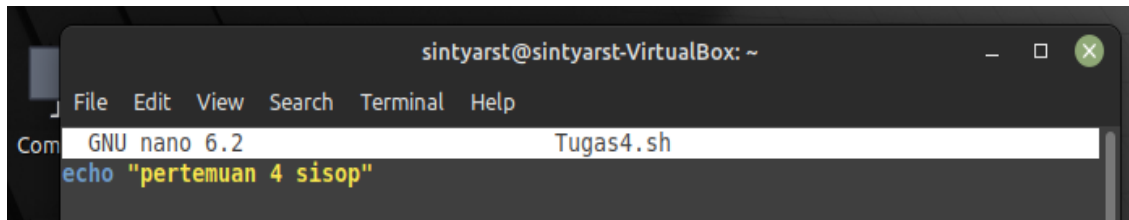
r = read (melihat isi file dan menampilkan daftar file di dalam direktori)

w = write (mengubah file dan membuat/menghapus file di dalam direktori)

x = execute (mengeksekusi file dan mengakses direktori)

## 2. Membaca file

```
sintyarst@sintyarst-VirtualBox:~$ cat Tugas4.sh
echo "pertemuan 4 sisop"
sintyarst@sintyarst-VirtualBox:~$
```



3. Mengeksekusi file

```
sintyarst@sintyarst-VirtualBox:~$ ./Tugas4.sh
bash: ./Tugas4.sh: Permission denied
sintyarst@sintyarst-VirtualBox:~$
```

File tidak bisa di eksekusi karena file tersebut belum memiliki hak akses x (execute).

4. Mengubah hak akses

```
sintyarst@sintyarst-VirtualBox:~$ chmod 776 Tugas4.sh
sintyarst@sintyarst-VirtualBox:~$
sintyarst@sintyarst-VirtualBox:~$ ls -l Tugas4.sh
-rwxrwxrw- 1 sintyarst sintyarst 25 Sep 26 16:39 Tugas4.sh
sintyarst@sintyarst-VirtualBox:~$
```

File yang awalnya bernotasi -rw-rw-r-- 1 (664) berubah menjadi -rwxrwxrw- 1 (776).

5. Membuat user baru

```
sintyarst@sintyarst-VirtualBox:~$ sudo adduser ristiyani
Adding user `ristiyani' ...
Adding new group `ristiyani' (1002) ...
Adding new user `ristiyani' (1002) with group `ristiyani' ...
Creating home directory `/home/ristiyani' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for ristiyani
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
```

Pembuatan user baru (ristiyani) sudah berhasil.

6. Membuat grup baru

7. Berpindah user

```
sintyarst@sintyarst-VirtualBox:~$ su ristiyani
Password:
ristiyani@sintyarst-VirtualBox:/home/sintyarst$
```

Berpindah user dari sintyarst ke ristiyani

8. Keluar dari user

```
ristiyani@sintyarst-VirtualBox:/home/sintyarst$ exit
exit
```

Keluar dari user ristiyani dan kembali ke user sintyarst

9. Mengubah file/directori group

```
sintyarst@sintyarst-VirtualBox:~$ sudo chown ristiyani Tugas4.sh
[sudo] password for sintyarst:
sintyarst@sintyarst-VirtualBox:~$ ls -l Tugas4.sh
-rwxrwxrwx- 1 ristiyani sintyarst 25 Sep 26 16:39 Tugas4.sh
sintyarst@sintyarst-VirtualBox:~$
```

10. Permasalahan denied

```
sintyarst@sintyarst-VirtualBox:~$ su ristiyani
Password:
ristiyani@sintyarst-VirtualBox:/home/sintyarst$ ls -l
ls: cannot open directory '.': Permission denied
ristiyani@sintyarst-VirtualBox:/home/sintyarst$
```

Penyelesaian :

```

ristiyani@sintyarst-VirtualBox:/home/sintyarst$ exit
exit
sintyarst@sintyarst-VirtualBox:~$ cd /home
sintyarst@sintyarst-VirtualBox:/home$ ls -l
total 12
drwxr-x--- 3 angga      angga      4096 Sep 26 17:08 angga
drwxr-x--- 3 ristiyani  ristiyani 4096 Sep 26 20:09 ristiyani
drwxr-x--- 22 sintyarst sintyarst 4096 Sep 26 19:54 sintyarst
sintyarst@sintyarst-VirtualBox:/home$ sudo chmod 755 sintyarst
sintyarst@sintyarst-VirtualBox:/home$ ls -l
total 12
drwxr-x--- 3 angga      angga      4096 Sep 26 17:08 angga
drwxr-x--- 3 ristiyani  ristiyani 4096 Sep 26 20:09 ristiyani
drwxr-xr-x 22 sintyarst sintyarst 4096 Sep 26 19:54 sintyarst
sintyarst@sintyarst-VirtualBox:/home$ cd
sintyarst@sintyarst-VirtualBox:~$ su ristiyani
Password:
ristiyani@sintyarst-VirtualBox:/home/sintyarst$ ls -l
total 116
drwxrwxr-x 2 sintyarst sintyarst 4096 Sep 12 11:00 1

```

```

File Edit View Search Terminal Help
-rw-rw-r-- 1 sintyarst sintyarst 100 Sep 14 13:59 input.sh
-rw-rw-r-- 1 sintyarst sintyarst 30 Sep 14 13:46 integer.sh
-rw-rw-r-- 1 sintyarst sintyarst 327 Sep 14 13:56 matematika.sh
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 6 21:57 Music
-rw-rw-r-- 1 sintyarst sintyarst 139 Sep 14 14:06 output1.sh
-rw-rw-r-- 1 sintyarst sintyarst 206 Sep 14 14:11 output2.sh
-rw-rw-r-- 1 sintyarst sintyarst 225 Sep 14 14:16 percabangan1.sh
-rw-rw-r-- 1 sintyarst sintyarst 366 Sep 14 14:22 percabangan2.sh
-rw-rw-r-- 1 sintyarst sintyarst 261 Sep 17 22:15 percobaan1.sh
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 14 13:32 Pictures
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 6 21:57 Public
-rw-rw-r-- 1 sintyarst sintyarst 3 Sep 7 14:11 python.txt
drwxrwxr-x 2 sintyarst sintyarst 4096 Sep 21 14:23 sisop3
-rw-rw-r-- 1 sintyarst sintyarst 67 Sep 14 13:29 string.sh
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 6 21:57 Templates
-rw-rw-r-- 1 sintyarst sintyarst 24 Sep 12 13:20 trial.py
drwxrwxr-x 2 sintyarst sintyarst 4096 Sep 12 11:00 TUGAS
-rw-rw-r-- 1 sintyarst sintyarst 17 Sep 7 13:43 tugas1.txt
drwxrwxr-x 3 sintyarst sintyarst 4096 Sep 18 18:24 TUGAS2_SISOP
-rwxrwxrw- 1 ristiyani sintyarst 25 Sep 26 16:39 Tugas4.sh
drwxr-xr-x 2 sintyarst sintyarst 4096 Sep 6 21:57 Videos
ristiyani@sintyarst-VirtualBox:/home/sintyarst$ ./Tugas4.sh
pertemuan 4 sisop
ristiyani@sintyarst-VirtualBox:/home/sintyarst$

```

## 11. Menghapus user

```
sintyarst@sintyarst-VirtualBox:~$ sudo deluser -remove-home angga
Looking for files to backup/remove ...
Removing files ...
Removing user `angga' ...
Warning: group `angga' has no more members.
Done.
sintyarst@sintyarst-VirtualBox:~$
```

User yang dihapus adalah user angga

## 12. Menghapus group

### SOAL LATIHAN :

- Membuat 2 user baru

```
sintyarst@sintyarst-VirtualBox:~$ sudo adduser user1
[sudo] password for sintyarst:
Adding user `user1' ...
Adding new group `user1' (1001) ...
Adding new user `user1' (1001) with group `user1' ...
Creating home directory `/home/user1' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for user1
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
```

```

Is the information correct? [Y/n] y
sintyarst@sintyarst-VirtualBox:~$ sudo adduser user2
Adding user `user2' ...
Adding new group `user2' (1003) ...
Adding new user `user2' (1003) with group `user2' ...
Creating home directory `/home/user2' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for user2
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

```

User pertama = user1

User kedua = user2

- Membuat file dari user pertama

```
sintyarst@sintyarst-VirtualBox:~$ nano kosong.txt
```

```

File Edit View Search Terminal Help
GNU nano 6.2 kosong.txt
sintiya ristiyani

```

Informasi file :

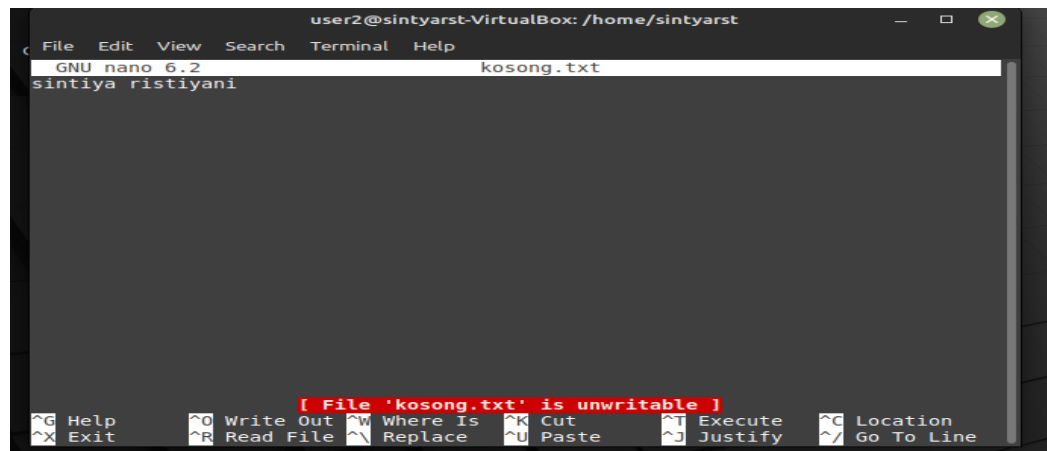
```
sintyarst@sintyarst-VirtualBox:~$ ls -l kosong.txt
-rw-rw-r-- 1 sintyarst sintyarst 18 Sep 26 23:57 kosong.txt
```

File kosong.txt bisa dibaca dan diedit oleh user pertama dan user kedua hanya bisa membaca berkas.

- Membaca file

```
sintyarst@sintyarst-VirtualBox:~$ cat kosong.txt
sintiya ristiyani
```

- Mengakses file dari user2



```
user2@sintyarst-VirtualBox: /home/sintyarst
GNU nano 6.2 kosong.txt
sintiya ristiyani

[ File 'kosong.txt' is unwritable ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^I Justify
^C Location  ^_/ Go To Line
```

File tidak bisa di eksekusi dan diedit karena user2 tidak diberikan hak akses untuk itu, dan hanya diberikan hak akses untuk membaca file.