

PRAKTIKUM SISTEM OPERASI
MODUL 7: MANAGEMEN USER DAN
PERMISSION DIREKTORI/FILE PADA LINUX



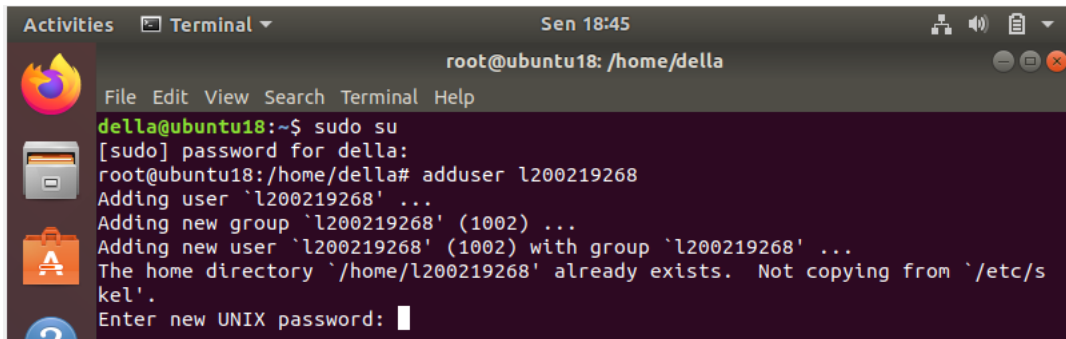
Penyusun:

Nama : Della Fitria Lestari
NIM : L200219268
Kelas : E
Mata Kuliah : Praktikum Sistem Operasi
Program Studi : Informatika

PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA 2022

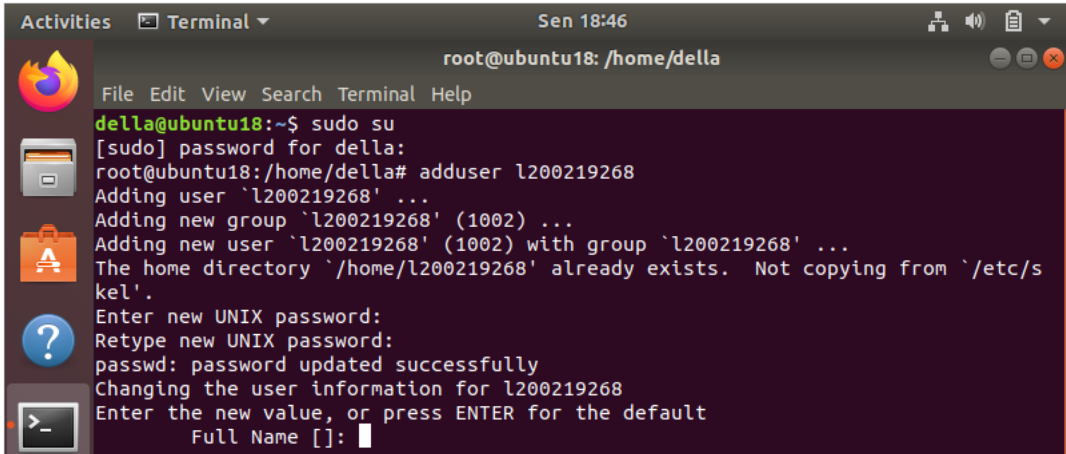
Praktikum 1

1. Membuat user baru: #adduser user<nim>



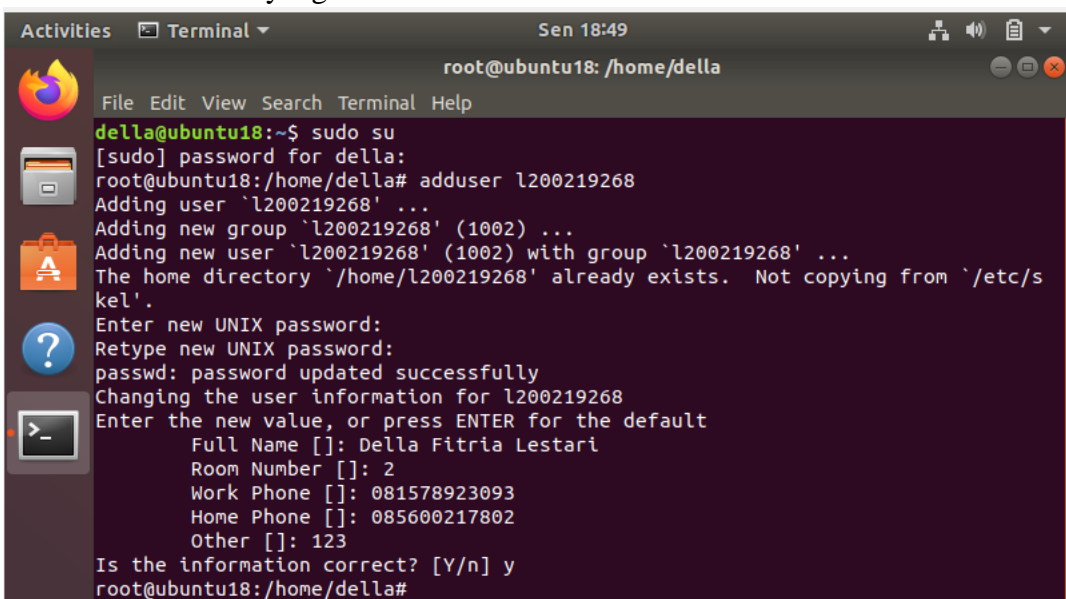
```
Activities Terminal Sen 18:45
root@ubuntu18: /home/della
File Edit View Search Terminal Help
della@ubuntu18:~$ sudo su
[sudo] password for della:
root@ubuntu18:/home/della# adduser l200219268
Adding user `l200219268' ...
Adding new group `l200219268' (1002) ...
Adding new user `l200219268' (1002) with group `l200219268' ...
The home directory `/home/l200219268' already exists. Not copying from `/etc/skel'.
Enter new UNIX password:
```

2. Memasukkan password yang diminta sebanyak dua kali



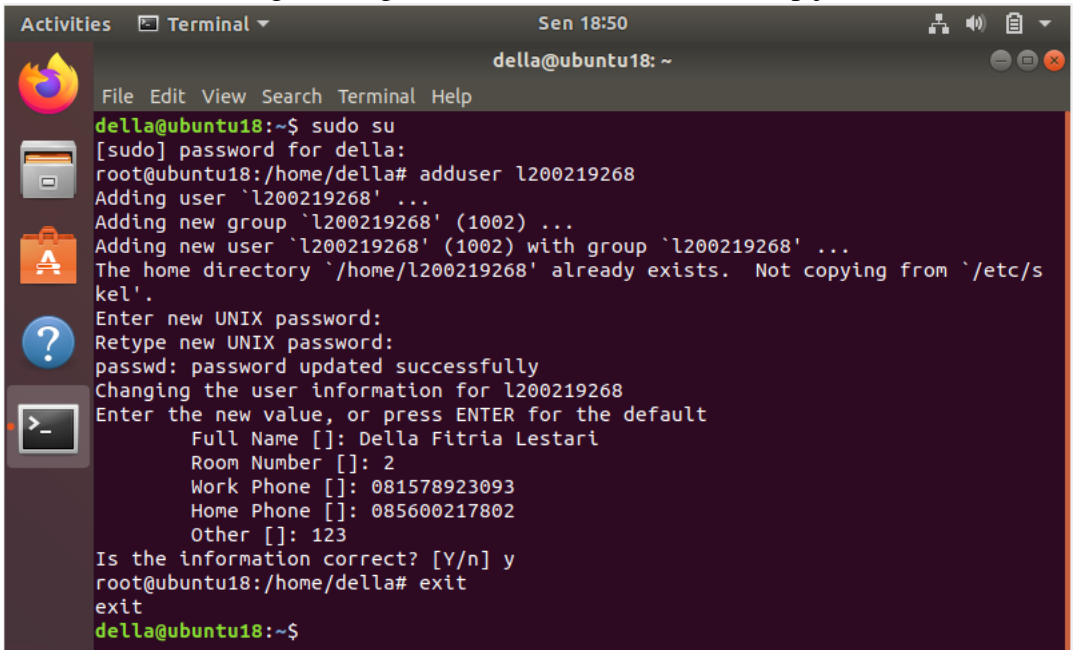
```
Activities Terminal Sen 18:46
root@ubuntu18: /home/della
File Edit View Search Terminal Help
della@ubuntu18:~$ sudo su
[sudo] password for della:
root@ubuntu18:/home/della# adduser l200219268
Adding user `l200219268' ...
Adding new group `l200219268' (1002) ...
Adding new user `l200219268' (1002) with group `l200219268' ...
The home directory `/home/l200219268' already exists. Not copying from `/etc/skel'.
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for l200219268
Enter the new value, or press ENTER for the default
Full Name []:
```

3. Setelah berhasil, selanjutnya memasukkan user information untuk user yang dibuat dan masukkan data-data yang diminta



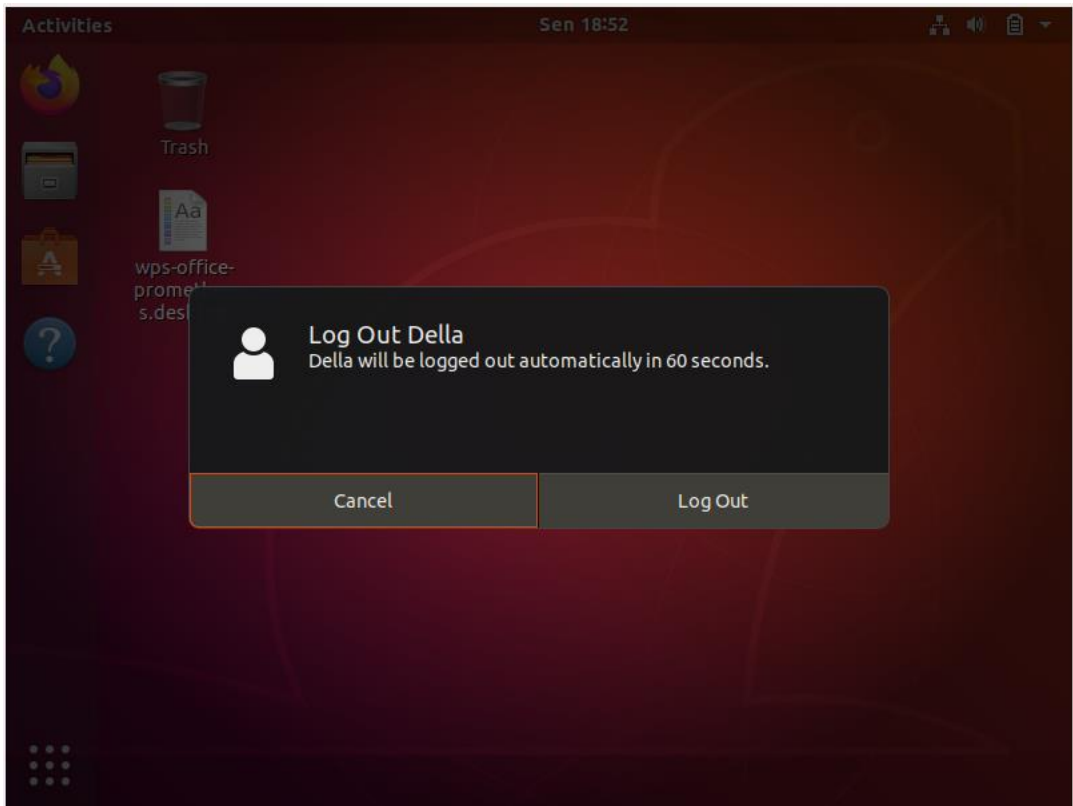
```
Activities Terminal Sen 18:49
root@ubuntu18: /home/della
File Edit View Search Terminal Help
della@ubuntu18:~$ sudo su
[sudo] password for della:
root@ubuntu18:/home/della# adduser l200219268
Adding user `l200219268' ...
Adding new group `l200219268' (1002) ...
Adding new user `l200219268' (1002) with group `l200219268' ...
The home directory `/home/l200219268' already exists. Not copying from `/etc/skel'.
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for l200219268
Enter the new value, or press ENTER for the default
Full Name []: Della Fitria Lestari
Room Number []: 2
Work Phone []: 081578923093
Home Phone []: 085600217802
Other []: 123
Is the information correct? [Y/n] y
root@ubuntu18:/home/della#
```

4. Keluar dari shell dengan mengetikkan exit, kemudian menutup jendela shell



```
della@ubuntu18:~$ sudo su
[sudo] password for della:
root@ubuntu18:/home/della# adduser l200219268
Adding user `l200219268' ...
Adding new group `l200219268' (1002) ...
Adding new user `l200219268' (1002) with group `l200219268' ...
The home directory `/home/l200219268' already exists. Not copying from `/etc/skel'.
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for l200219268
Enter the new value, or press ENTER for the default
  Full Name []: Della Fitria Lestari
  Room Number []: 2
  Work Phone []: 081578923093
  Home Phone []: 085600217802
  Other []: 123
Is the information correct? [Y/n] y
root@ubuntu18:/home/della# exit
exit
della@ubuntu18:~$
```

5. Keluar dari gnome dengan mengeklik tombol log-out

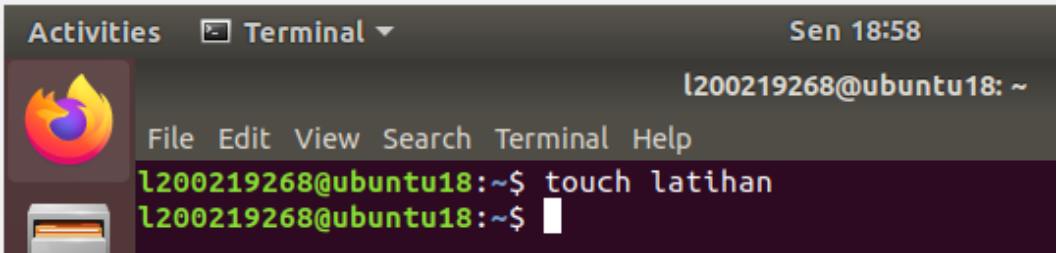


6. Setelah masuk ke jendela log-in, mencoba masuk menggunakan user dan password yang baru dibuat

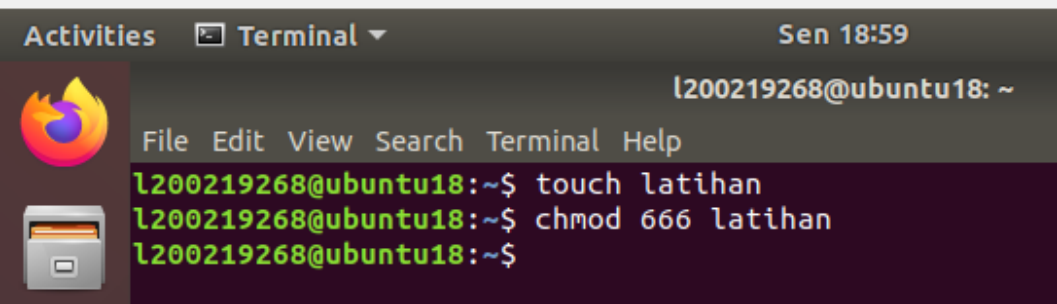


Praktikum 2

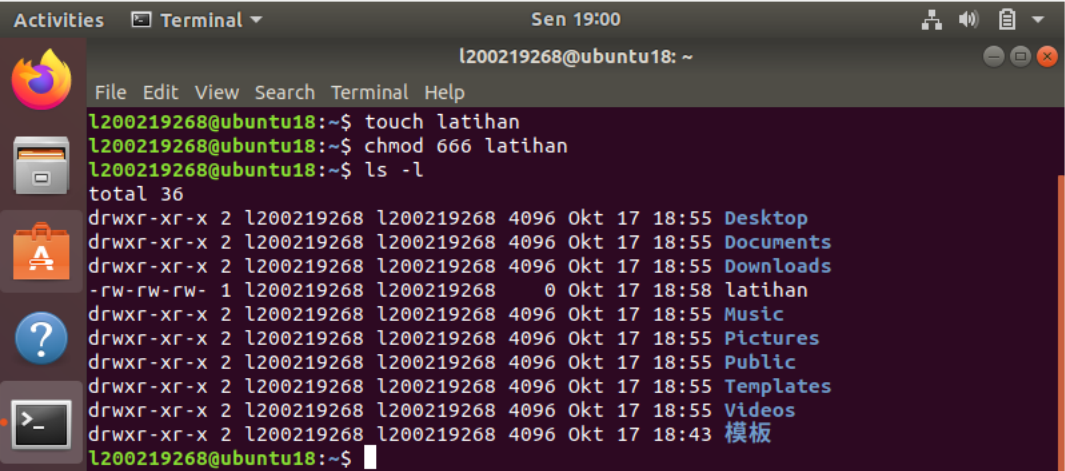
1. Membuat file latihan



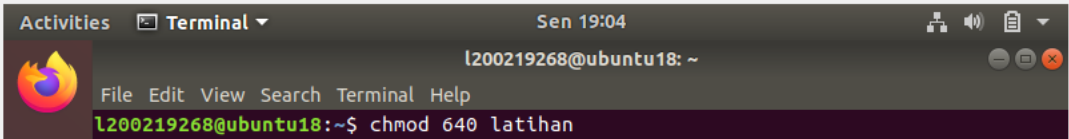
2. Mengetikkan perintah chmod 666 latihan



3. Melihat hasilnya

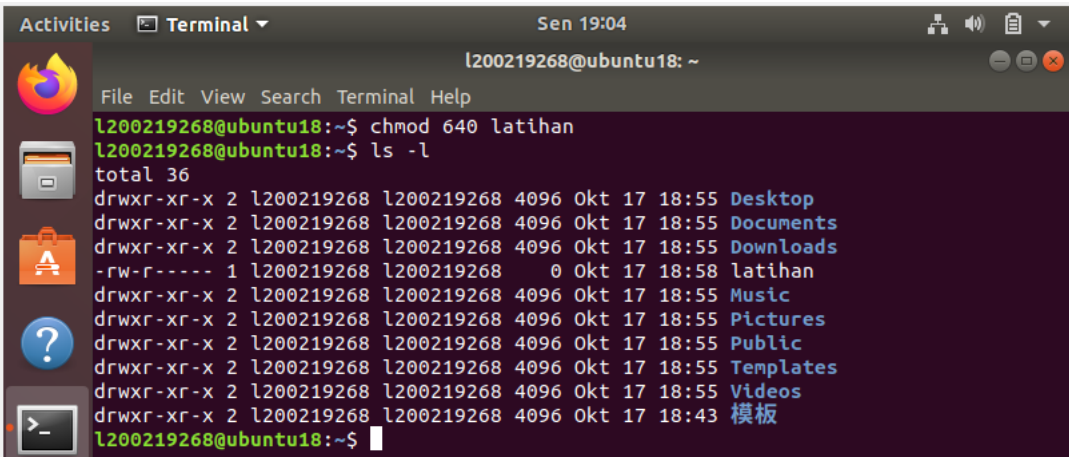


4. Mengetikkan perintah chmod 640 latihan



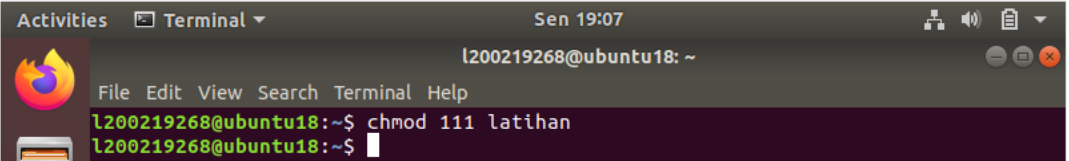
```
l200219268@ubuntu18: ~  
File Edit View Search Terminal Help  
l200219268@ubuntu18:~$ chmod 640 latihan
```

5. Melihat hasilnya



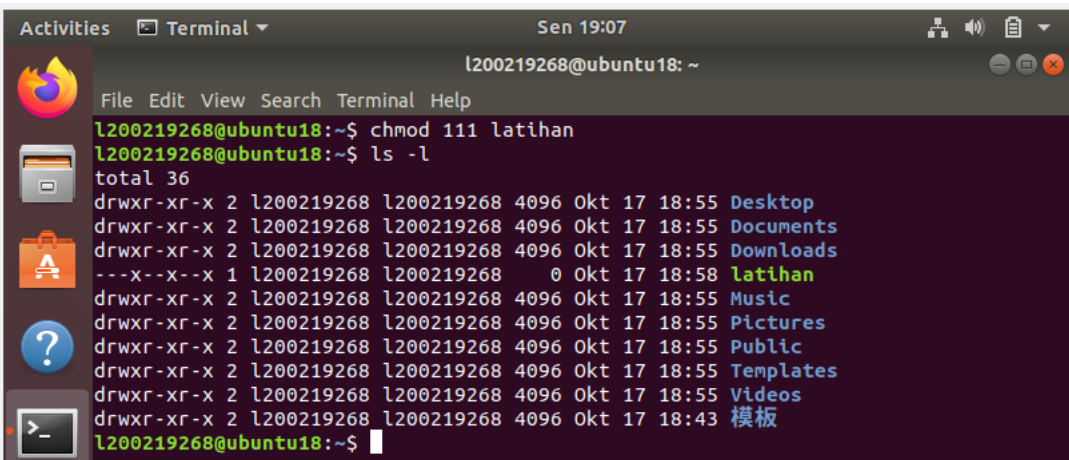
```
l200219268@ubuntu18: ~  
File Edit View Search Terminal Help  
l200219268@ubuntu18:~$ chmod 640 latihan  
l200219268@ubuntu18:~$ ls -l  
total 36  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Desktop  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Documents  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Downloads  
-rw-r----- 1 l200219268 l200219268 0 Okt 17 18:58 latihan  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Music  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Pictures  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Public  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Templates  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Videos  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:43 模板  
l200219268@ubuntu18:~$
```

6. Mengetikkan perintah chmod 111 latihan



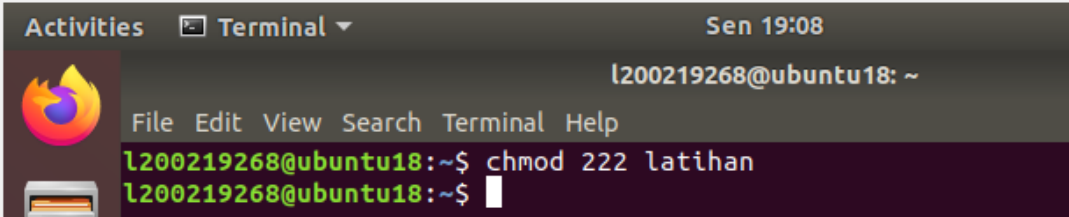
```
l200219268@ubuntu18: ~  
File Edit View Search Terminal Help  
l200219268@ubuntu18:~$ chmod 111 latihan  
l200219268@ubuntu18:~$
```

7. Melihat hasilnya



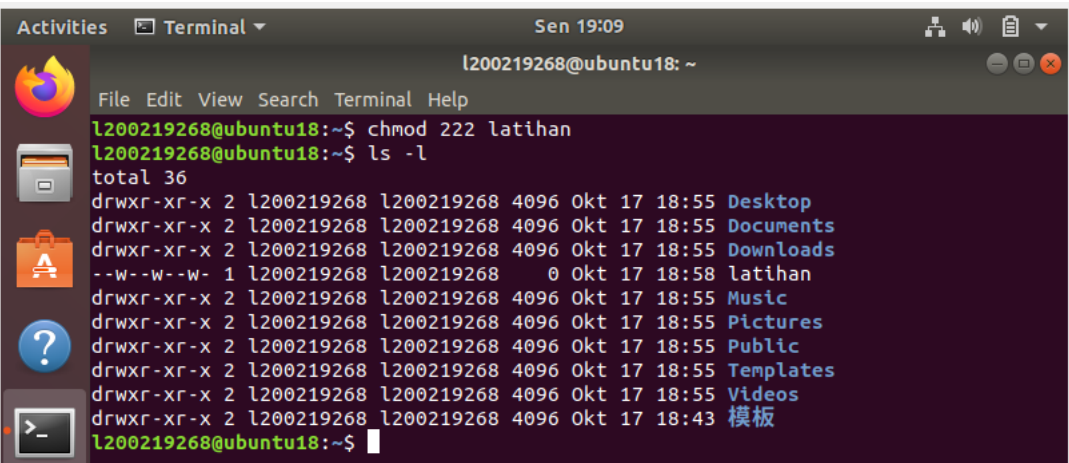
```
l200219268@ubuntu18: ~  
File Edit View Search Terminal Help  
l200219268@ubuntu18:~$ chmod 111 latihan  
l200219268@ubuntu18:~$ ls -l  
total 36  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Desktop  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Documents  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Downloads  
---x--x--x 1 l200219268 l200219268 0 Okt 17 18:58 latihan  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Music  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Pictures  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Public  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Templates  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Videos  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:43 模板  
l200219268@ubuntu18:~$
```

8. Mengetikkan perintah chmod 222 latihan



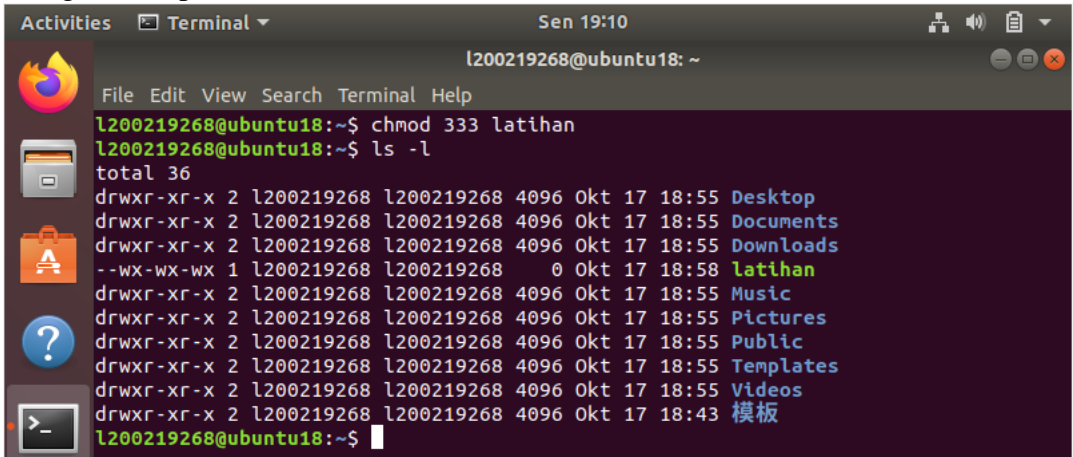
```
l200219268@ubuntu18: ~  
File Edit View Search Terminal Help  
l200219268@ubuntu18:~$ chmod 222 latihan  
l200219268@ubuntu18:~$
```

9. Melihat hasilnya



```
l200219268@ubuntu18: ~  
File Edit View Search Terminal Help  
l200219268@ubuntu18:~$ chmod 222 latihan  
l200219268@ubuntu18:~$ ls -l  
total 36  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Desktop  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Documents  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Downloads  
--w--w--w 1 l200219268 l200219268 0 Okt 17 18:58 latihan  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Music  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Pictures  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Public  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Templates  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Videos  
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:43 模板  
l200219268@ubuntu18:~$
```


10. Mengetikkan perintah chmod 333 latihan

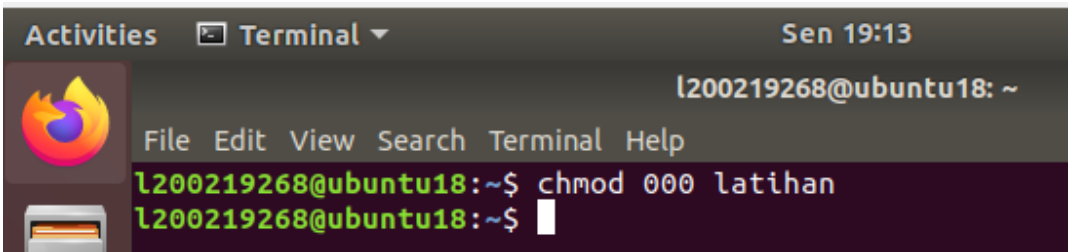


A terminal window titled 'Sen 19:10' showing the user 'l200219268@ubuntu18: ~'. The user enters the command 'chmod 333 latihan'. Then, they enter 'ls -l', which displays a directory listing. The file 'latihan' is highlighted in green in the original image. The permissions for 'latihan' are shown as '--wx-wx-wx'.

```
l200219268@ubuntu18:~$ chmod 333 latihan
l200219268@ubuntu18:~$ ls -l
total 36
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Desktop
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Documents
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Downloads
--wx-wx-wx 1 l200219268 l200219268 0 Okt 17 18:58 latihan
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Music
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Pictures
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Public
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Templates
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:55 Videos
drwxr-xr-x 2 l200219268 l200219268 4096 Okt 17 18:43 模板
l200219268@ubuntu18:~$
```

Praktikum 3

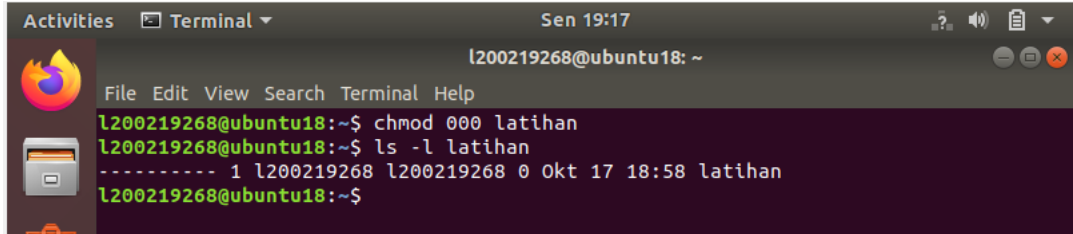
1. \$ chmod 000 latihan (tidak memberikan hak akses)



A terminal window titled 'Sen 19:13' showing the user 'l200219268@ubuntu18: ~'. The user enters the command 'chmod 000 latihan'.

```
l200219268@ubuntu18:~$ chmod 000 latihan
l200219268@ubuntu18:~$
```

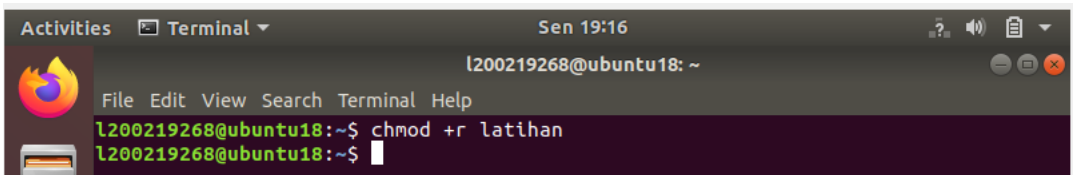
2. \$ ls -l latihan



A terminal window titled 'Sen 19:17' showing the user 'l200219268@ubuntu18: ~'. The user enters 'ls -l latihan', which shows the file 'latihan' with permissions '-----'.

```
l200219268@ubuntu18:~$ chmod 000 latihan
l200219268@ubuntu18:~$ ls -l latihan
----- 1 l200219268 l200219268 0 Okt 17 18:58 latihan
l200219268@ubuntu18:~$
```

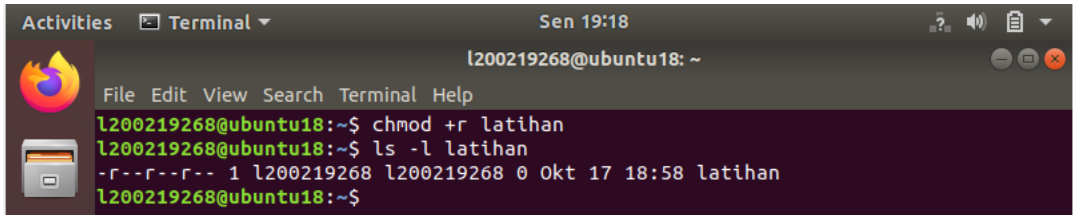
3. \$ chmod +r latihan (menambahkan hak akses read)



A terminal window titled 'Sen 19:16' showing the user 'l200219268@ubuntu18: ~'. The user enters the command 'chmod +r latihan'.

```
l200219268@ubuntu18:~$ chmod +r latihan
l200219268@ubuntu18:~$
```

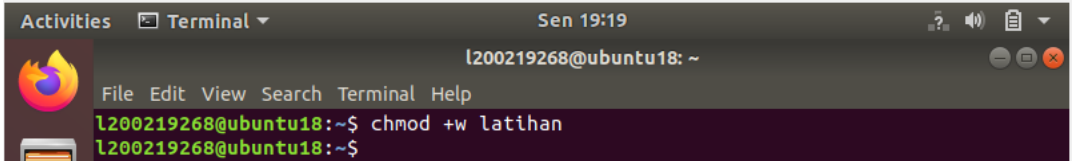
4. \$ ls -l latihan



A terminal window titled 'Sen 19:18' showing the user 'l200219268@ubuntu18: ~'. The user enters 'chmod +r latihan' followed by 'ls -l latihan', which shows the file 'latihan' with permissions '-r--r--r--'.

```
l200219268@ubuntu18:~$ chmod +r latihan
l200219268@ubuntu18:~$ ls -l latihan
-r--r--r-- 1 l200219268 l200219268 0 Okt 17 18:58 latihan
l200219268@ubuntu18:~$
```

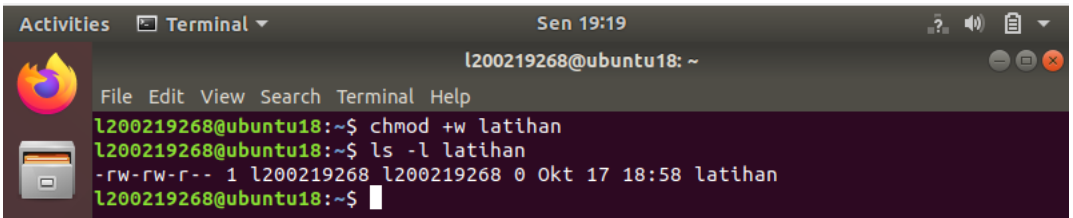
5. \$ chmod +w latihan (menambahkan hak akses write)



A terminal window titled 'Sen 19:19' showing the user 'l200219268@ubuntu18: ~'. The user enters the command 'chmod +w latihan'.

```
l200219268@ubuntu18:~$ chmod +w latihan
l200219268@ubuntu18:~$
```

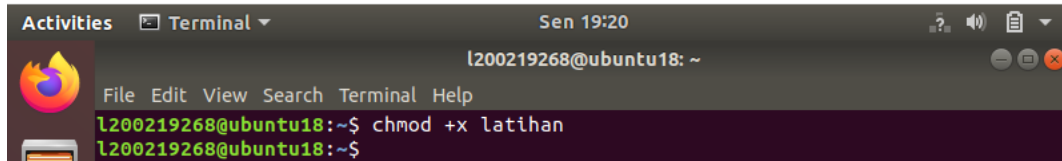
6. \$ ls -l latihan



A terminal window titled 'Sen 19:19' showing the user 'l200219268@ubuntu18: ~'. The user enters 'chmod +w latihan' followed by 'ls -l latihan', which shows the file 'latihan' with permissions '-rw-rw-r--'.

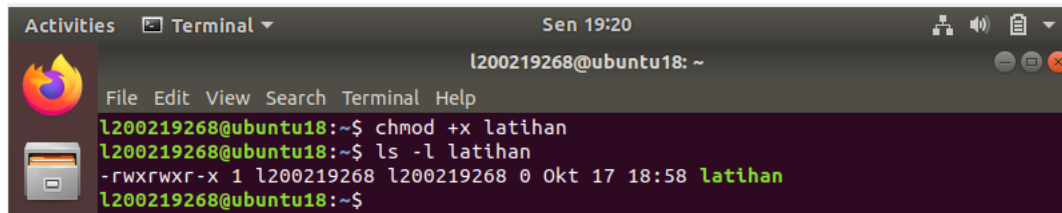
```
l200219268@ubuntu18:~$ chmod +w latihan
l200219268@ubuntu18:~$ ls -l latihan
-rw-rw-r-- 1 l200219268 l200219268 0 Okt 17 18:58 latihan
l200219268@ubuntu18:~$
```

7. \$ chmod +x latihan



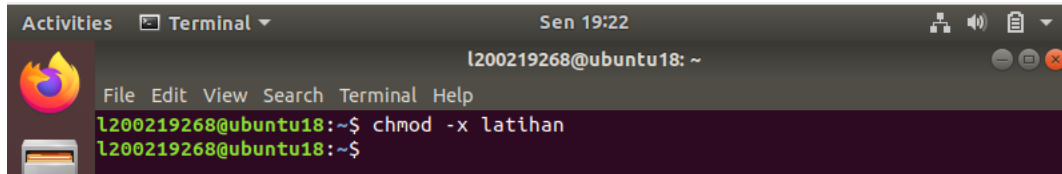
```
Activities Terminal Sen 19:20
l200219268@ubuntu18: ~
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ chmod +x latihan
l200219268@ubuntu18:~$
```

8. \$ ls -l latihan



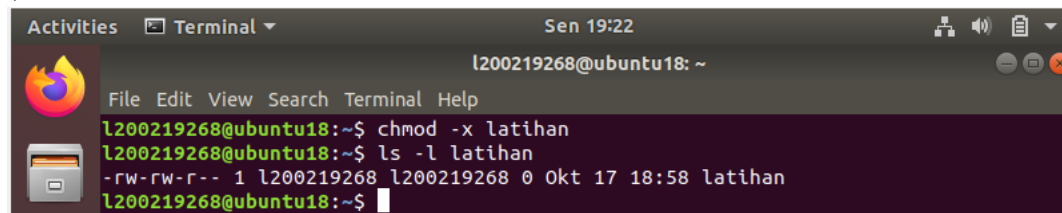
```
Activities Terminal Sen 19:20
l200219268@ubuntu18: ~
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ chmod +x latihan
l200219268@ubuntu18:~$ ls -l latihan
-rwxrwxr-x 1 l200219268 l200219268 0 Okt 17 18:58 latihan
l200219268@ubuntu18:~$
```

9. \$ chmod -x latihan (menghilangkan hak akses execute)



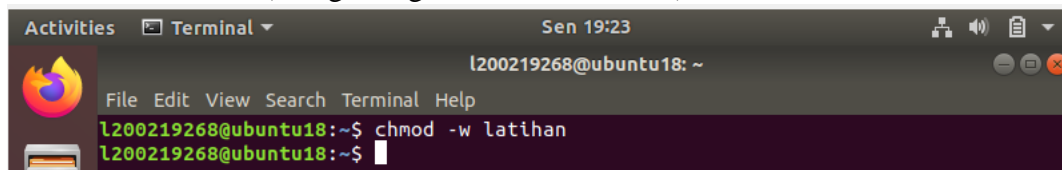
```
Activities Terminal Sen 19:22
l200219268@ubuntu18: ~
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ chmod -x latihan
l200219268@ubuntu18:~$
```

10. \$ ls -l latihan



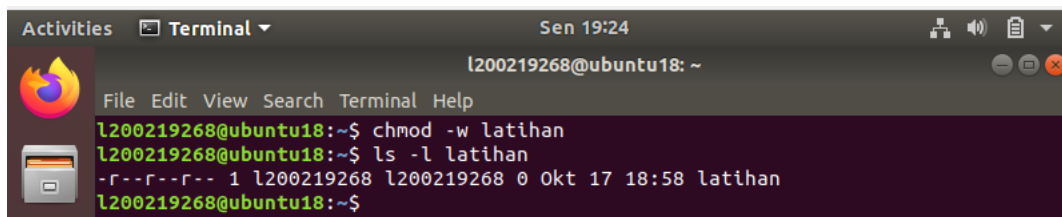
```
Activities Terminal Sen 19:22
l200219268@ubuntu18: ~
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ chmod -x latihan
l200219268@ubuntu18:~$ ls -l latihan
-rw-rw-r-- 1 l200219268 l200219268 0 Okt 17 18:58 latihan
l200219268@ubuntu18:~$
```

11. \$ chmod -w latihan (menghilangkan hak akses write)



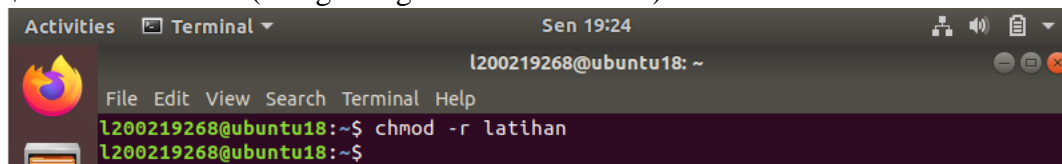
```
Activities Terminal Sen 19:23
l200219268@ubuntu18: ~
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ chmod -w latihan
l200219268@ubuntu18:~$
```

12. \$ ls -l latihan



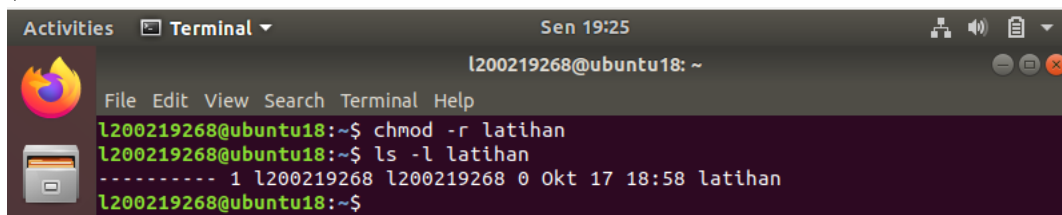
```
Activities Terminal Sen 19:24
l200219268@ubuntu18: ~
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ chmod -w latihan
l200219268@ubuntu18:~$ ls -l latihan
-r--r--r-- 1 l200219268 l200219268 0 Okt 17 18:58 latihan
l200219268@ubuntu18:~$
```

13. \$ chmod -r latihan (menghilangkan hak akses read)



```
Activities Terminal Sen 19:24
l200219268@ubuntu18: ~
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ chmod -r latihan
l200219268@ubuntu18:~$
```

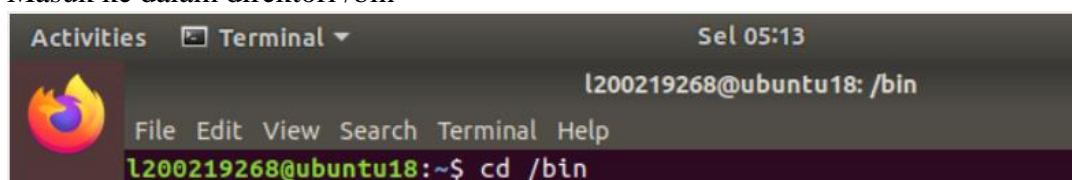
14. \$ ls -l latihan



```
Activities Terminal Sen 19:25
l200219268@ubuntu18: ~
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ chmod -r latihan
l200219268@ubuntu18:~$ ls -l latihan
----- 1 l200219268 l200219268 0 Okt 17 18:58 latihan
l200219268@ubuntu18:~$
```

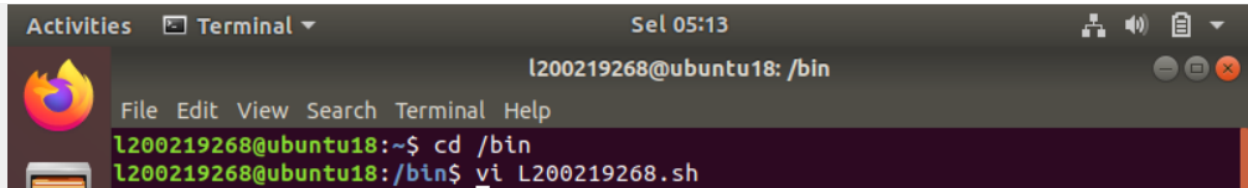
Praktikum 4

1. Masuk ke dalam direktori /bin



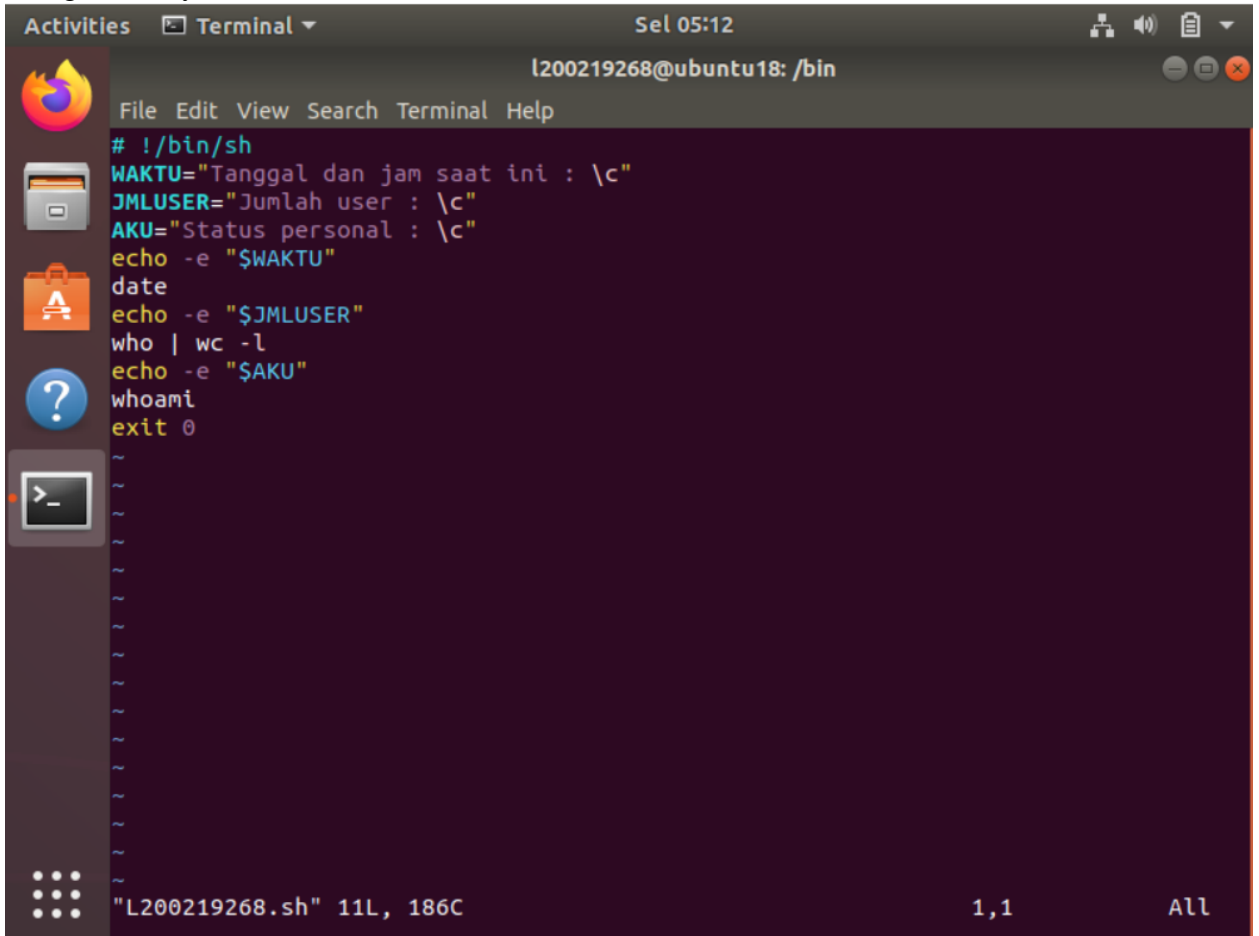
```
Activities Terminal Sen 05:13
l200219268@ubuntu18: /bin
File Edit View Search Terminal Help
l200219268@ubuntu18:~$ cd /bin
```

2. Membuat file L200219268.sh

A terminal window titled 'l200219268@ubuntu18: /bin' with a menu bar (File, Edit, View, Search, Terminal, Help). The prompt is 'l200219268@ubuntu18:~\$'. The user enters 'cd /bin' and then 'vi L200219268.sh'.

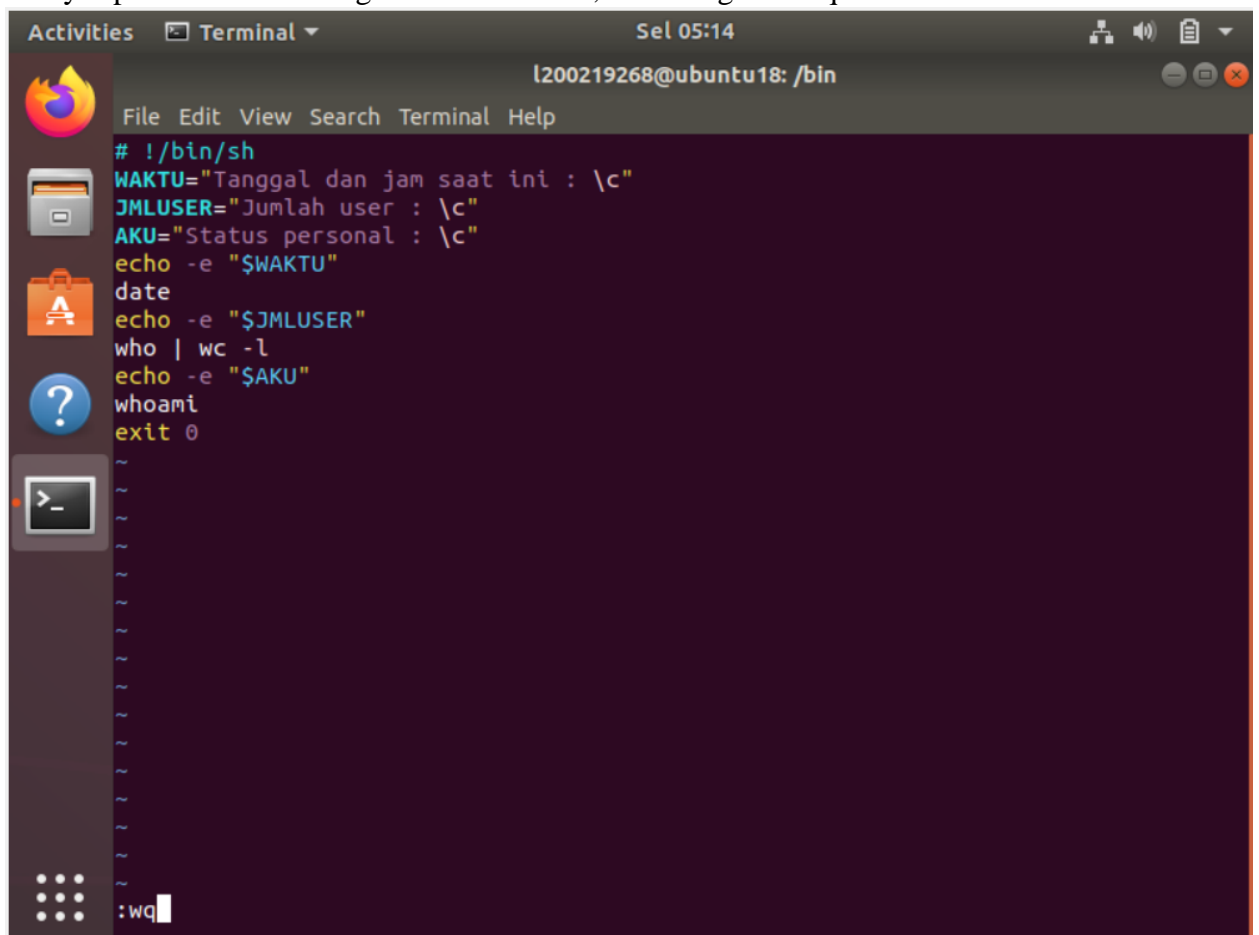
```
l200219268@ubuntu18:~$ cd /bin
l200219268@ubuntu18:/bin$ vi L200219268.sh
```

3. Mengetik isinya

A terminal window titled 'l200219268@ubuntu18: /bin' showing the content of the file L200219268.sh being edited in vi. The script contains commands to get the current date, user count, and user name, and to echo them. The status bar at the bottom shows '"L200219268.sh" 11L, 186C' and '1,1 All'.

```
# !/bin/sh
WAKTU="Tanggal dan jam saat ini : \c"
JMLUSER="Jumlah user : \c"
AKU="Status personal : \c"
echo -e "$WAKTU"
date
echo -e "$JMLUSER"
who | wc -l
echo -e "$AKU"
whoami
exit 0
```

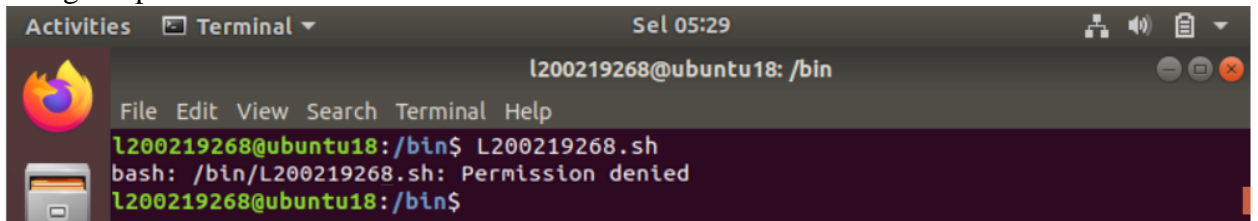
4. Menyimpan dan keluar dengan menekan ESC, dan mengetik :wq<ENTER>

A terminal window titled 'l200219268@ubuntu18: /bin' showing the same script content as the previous screenshot. The user has pressed ESC and entered ':wq' to save and exit the vi editor. The prompt is now 'l200219268@ubuntu18:~\$'.

```
# !/bin/sh
WAKTU="Tanggal dan jam saat ini : \c"
JMLUSER="Jumlah user : \c"
AKU="Status personal : \c"
echo -e "$WAKTU"
date
echo -e "$JMLUSER"
who | wc -l
echo -e "$AKU"
whoami
exit 0

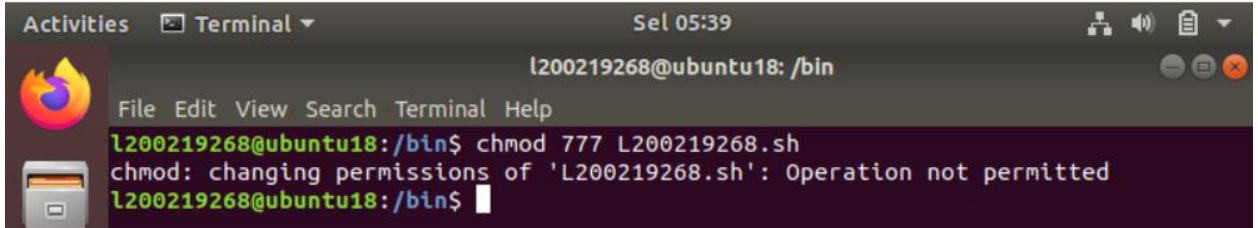
:wq
```


5. Mengetik perintah L200219268.sh



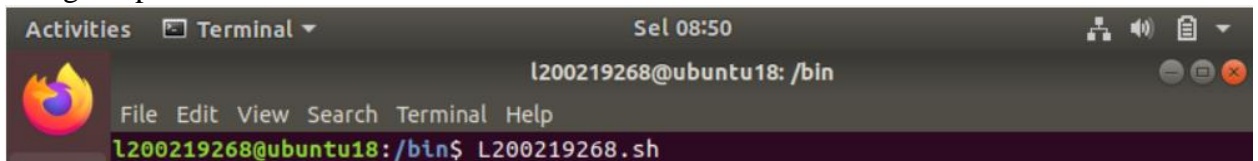
```
l200219268@ubuntu18: /bin
File Edit View Search Terminal Help
l200219268@ubuntu18:/bin$ L200219268.sh
bash: /bin/L200219268.sh: Permission denied
l200219268@ubuntu18:/bin$
```

6. Mengubah tipenya menjadi file yang bisa dieksekusi



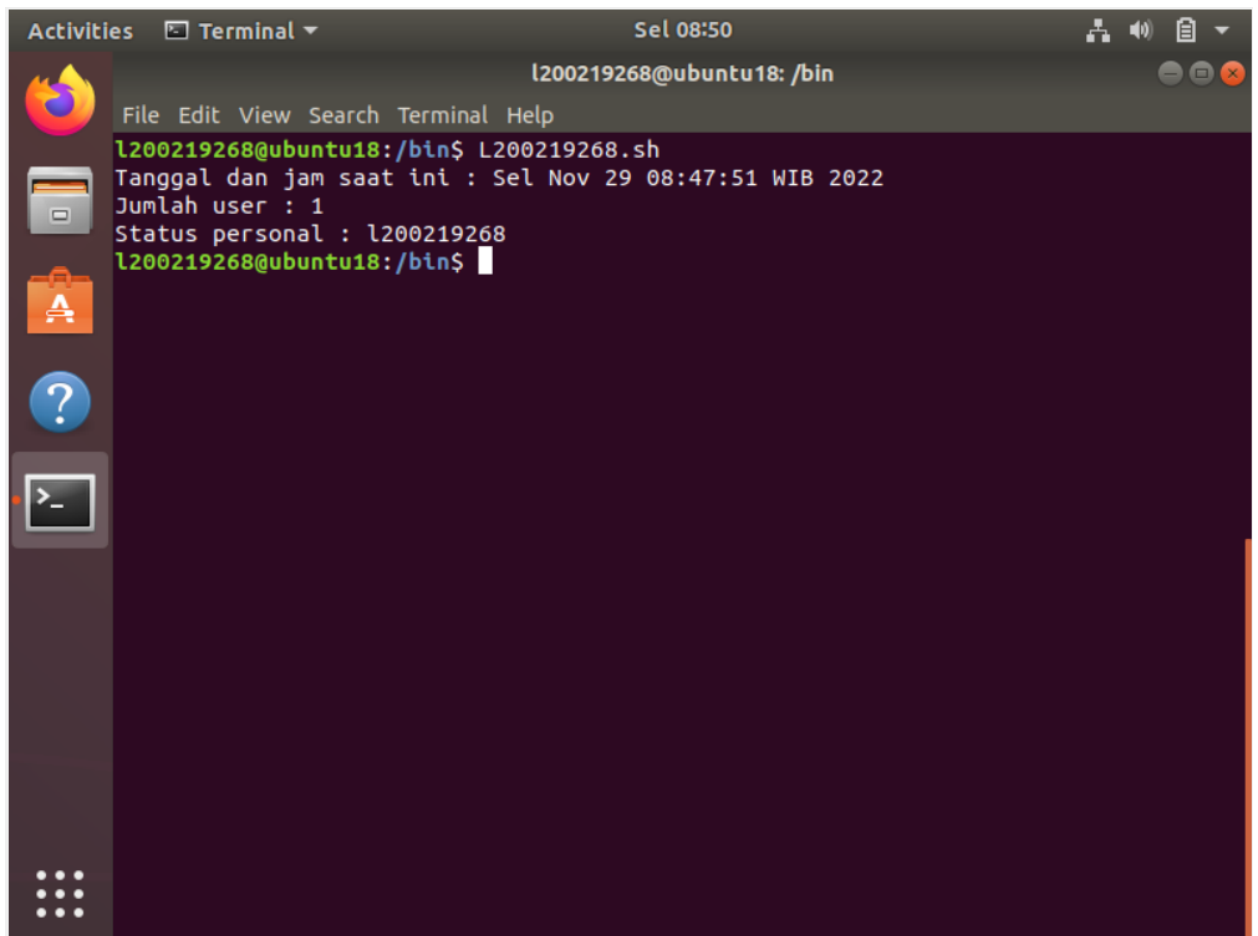
```
l200219268@ubuntu18: /bin
File Edit View Search Terminal Help
l200219268@ubuntu18:/bin$ chmod 777 L200219268.sh
chmod: changing permissions of 'L200219268.sh': Operation not permitted
l200219268@ubuntu18:/bin$
```

7. Mengetik perintah L200219268.sh



```
l200219268@ubuntu18: /bin
File Edit View Search Terminal Help
l200219268@ubuntu18:/bin$ L200219268.sh
```

8. Hasil



```
l200219268@ubuntu18: /bin
File Edit View Search Terminal Help
l200219268@ubuntu18:/bin$ L200219268.sh
Tanggal dan jam saat ini : Sel Nov 29 08:47:51 WIB 2022
Jumlah user : 1
Status personal : l200219268
l200219268@ubuntu18:/bin$
```