

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



**Disusun oleh:**

**AFIFAH GH AISANI IMANA**

**L200190198**

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

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## Praktikum 1.

1. Buat user baru: # useradd user<nim anda>

2. Masukkan pasword yang diminta sebanyak dua kali:

3. Jika sudah berhasil akan muncul pesan

passwd: password updated successfully

Dilanjutkan dengan memasukkan user information

untuk user yang anda buat, masukkanlah data-data yang

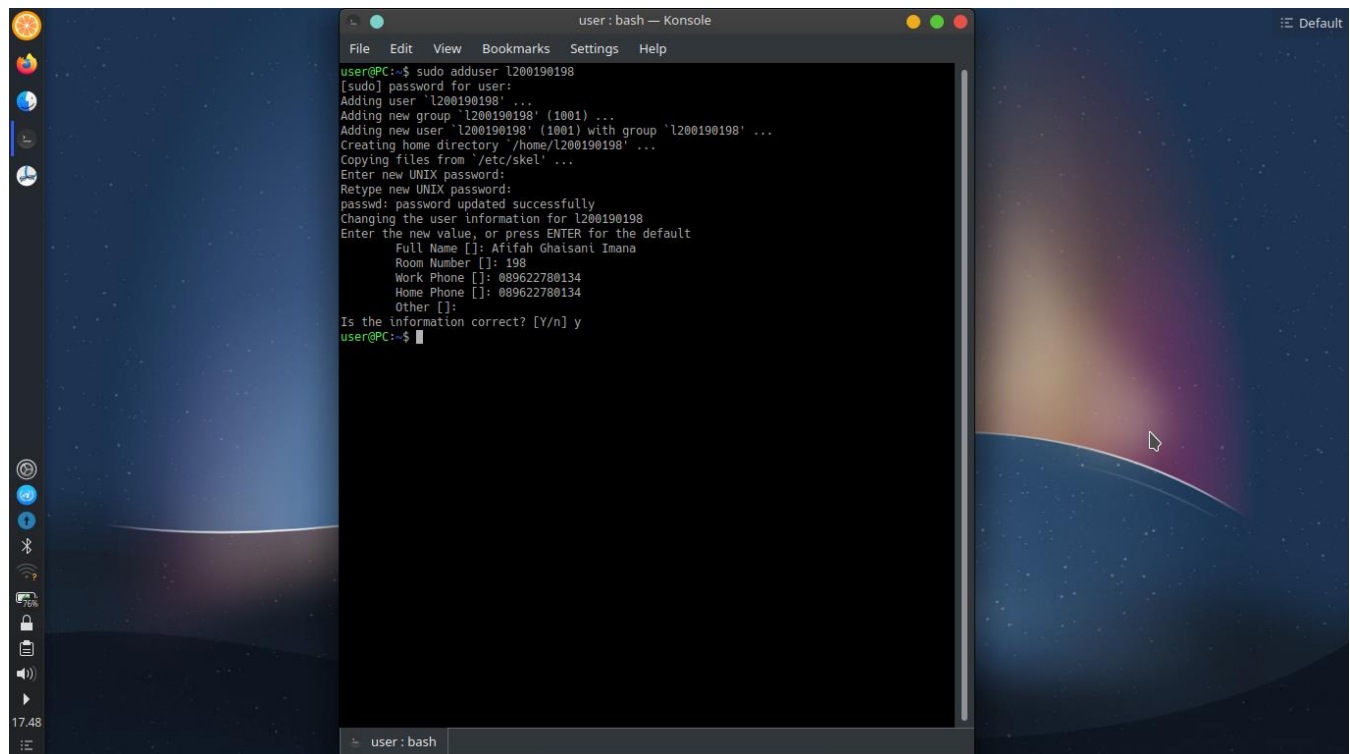
diminta.

Masukkanlah data-data anda.

4. Keluarlah dari shell dengan mengetikkan exit kemudian tutup jendela shell

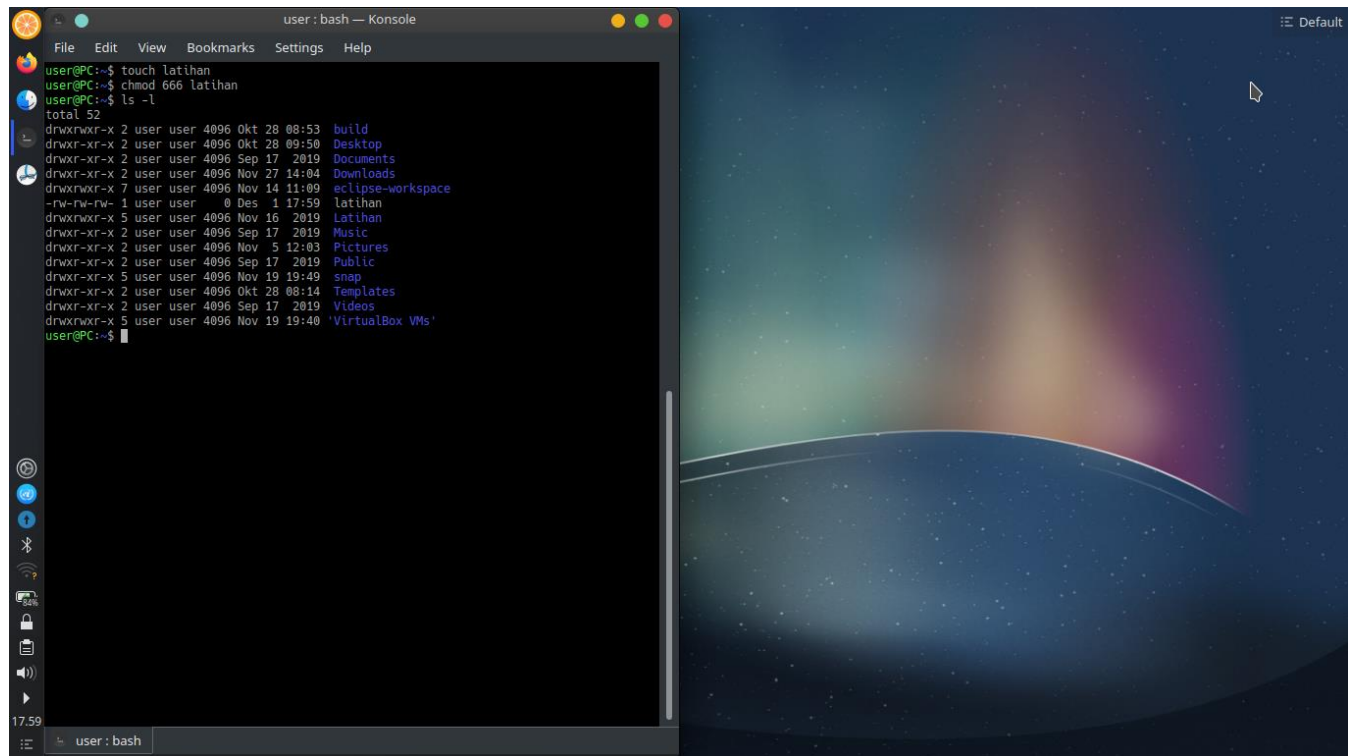
5. Keluarlah dari gnome dengan mengklik tombol Log Out

6. Setelah masuk ke jendela login, cobalah untuk masuk menggunakan user dan pasword yang baru saja anda buat.



## Praktikum 2.

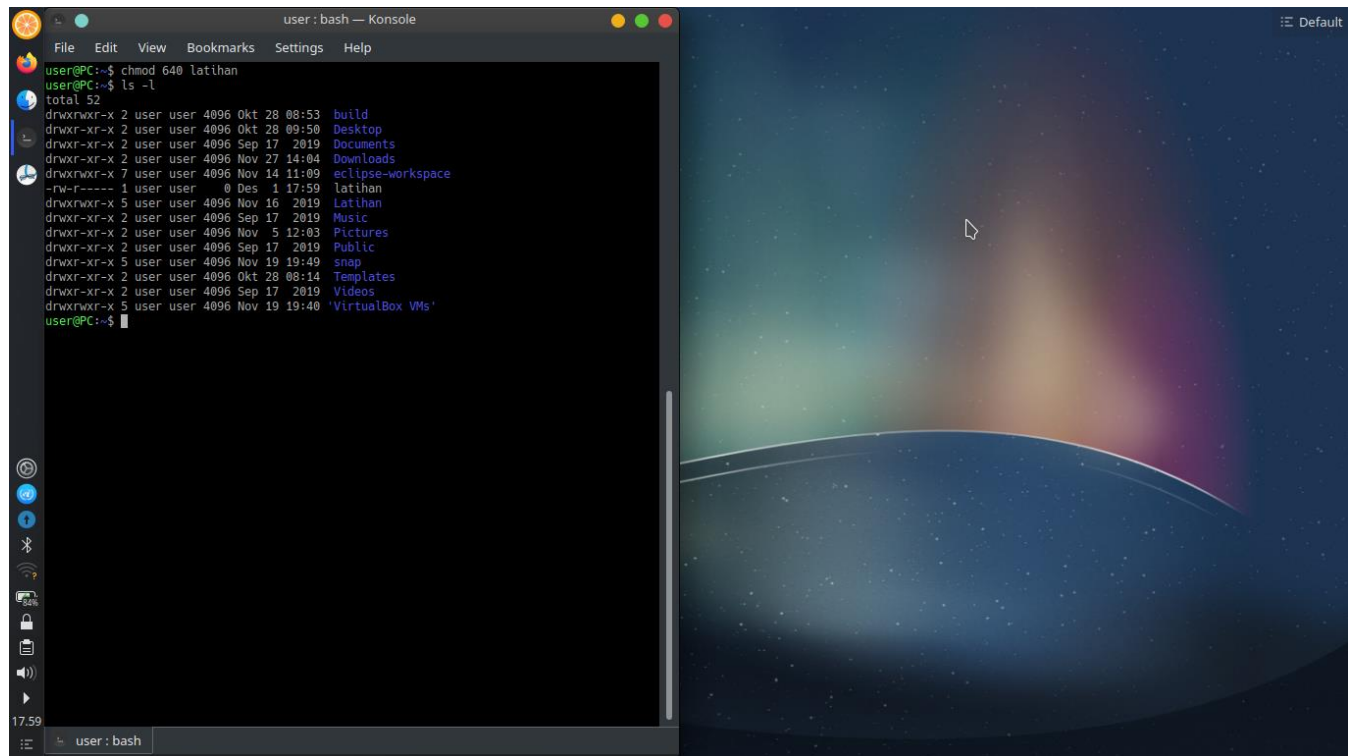
1. Buat file latihan : `$ touch latihan`
2. Ketikkan perintah : `$ chmod 666 latihan`
3. Lihat hasilnya dengan : `$ ls -l` (perhatikan izin aksesnya)



```
user@PC:~$ touch latihan
user@PC:~$ chmod 666 latihan
user@PC:~$ ls -l
total 52
drwxrwxr-x 2 user user 4096 Okt 28 08:53 build
drwxr-xr-x 2 user user 4096 Okt 28 09:50 Desktop
drwxr-xr-x 2 user user 4096 Sep 17 2019 Documents
drwxr-xr-x 2 user user 4096 Nov 27 14:04 Downloads
drwxrwxr-x 7 user user 4096 Nov 14 11:09 eclipse-workspace
-rw-rw-rw- 1 user user 0 Des 1 17:59 latihan
drwxrwxr-x 5 user user 4096 Nov 16 2019 Latihan
drwxr-xr-x 2 user user 4096 Sep 17 2019 Music
drwxr-xr-x 2 user user 4096 Nov 5 12:03 Pictures
drwxr-xr-x 2 user user 4096 Sep 17 2019 Public
drwxr-xr-x 5 user user 4096 Nov 19 19:49 snap
drwxr-xr-x 2 user user 4096 Okt 28 08:14 Templates
drwxr-xr-x 2 user user 4096 Sep 17 2019 Videos
drwxrwxr-x 5 user user 4096 Nov 19 19:40 'VirtualBox VMs'
user@PC:~$
```

4. Ketikkan perintah : `$ chmod 640 latihan`

5. Lihat hasilnya dengan : `$ ls -l` (perhatikan izin aksesnya)



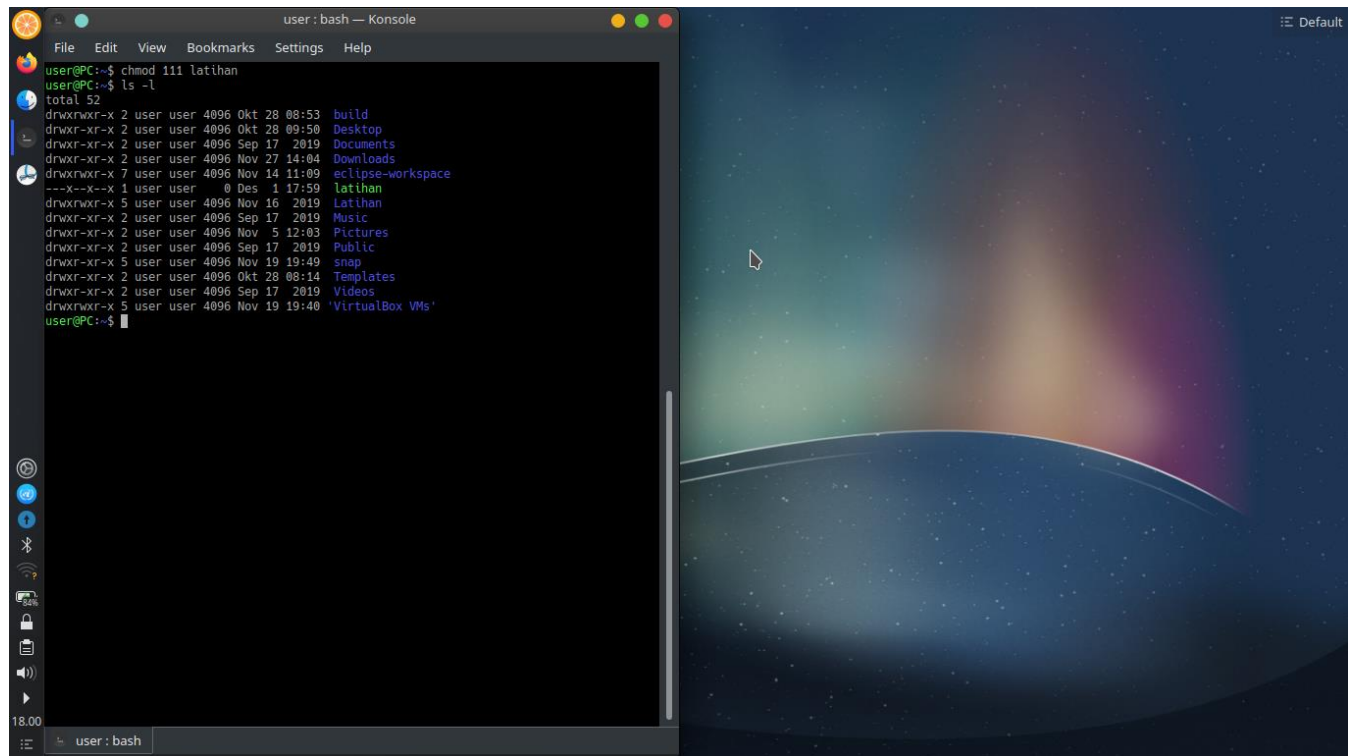
The screenshot shows a terminal window titled "user: bash — Konsole" with a menu bar (File, Edit, View, Bookmarks, Settings, Help). The terminal output is as follows:

```
user@PC:~$ chmod 640 latihan
user@PC:~$ ls -l
total 52
drwxrwxr-x 2 user user 4096 Okt 28 08:53 build
drwxr-xr-x 2 user user 4096 Okt 28 09:50 Desktop
drwxr-xr-x 2 user user 4096 Sep 17 2019 Documents
drwxr-xr-x 2 user user 4096 Nov 27 14:04 Downloads
drwxrwxr-x 7 user user 4096 Nov 14 11:09 eclipse-workspace
-rw-r----- 1 user user  0 Des 1 17:59 latihan
drwxrwxr-x 5 user user 4096 Nov 16 2019 Latihan
drwxr-xr-x 2 user user 4096 Sep 17 2019 Music
drwxr-xr-x 2 user user 4096 Nov 5 12:03 Pictures
drwxr-xr-x 2 user user 4096 Sep 17 2019 Public
drwxr-xr-x 5 user user 4096 Nov 19 19:49 snap
drwxr-xr-x 2 user user 4096 Okt 28 08:14 Templates
drwxr-xr-x 2 user user 4096 Sep 17 2019 Videos
drwxrwxr-x 5 user user 4096 Nov 19 19:40 'VirtualBox VMs'
user@PC:~$
```

The file "latihan" is shown with permissions "-rw-r-----", indicating that the owner (user) has read and write permissions, while the group (user) and others have read-only permissions. The terminal window is overlaid on a desktop background featuring a stylized aurora borealis over a dark horizon.

6. Ketikkan perintah : `$ chmod 111 latihan`

7. Lihat hasilnya dengan : `$ ls -l` (perhatikan izin aksesnya)



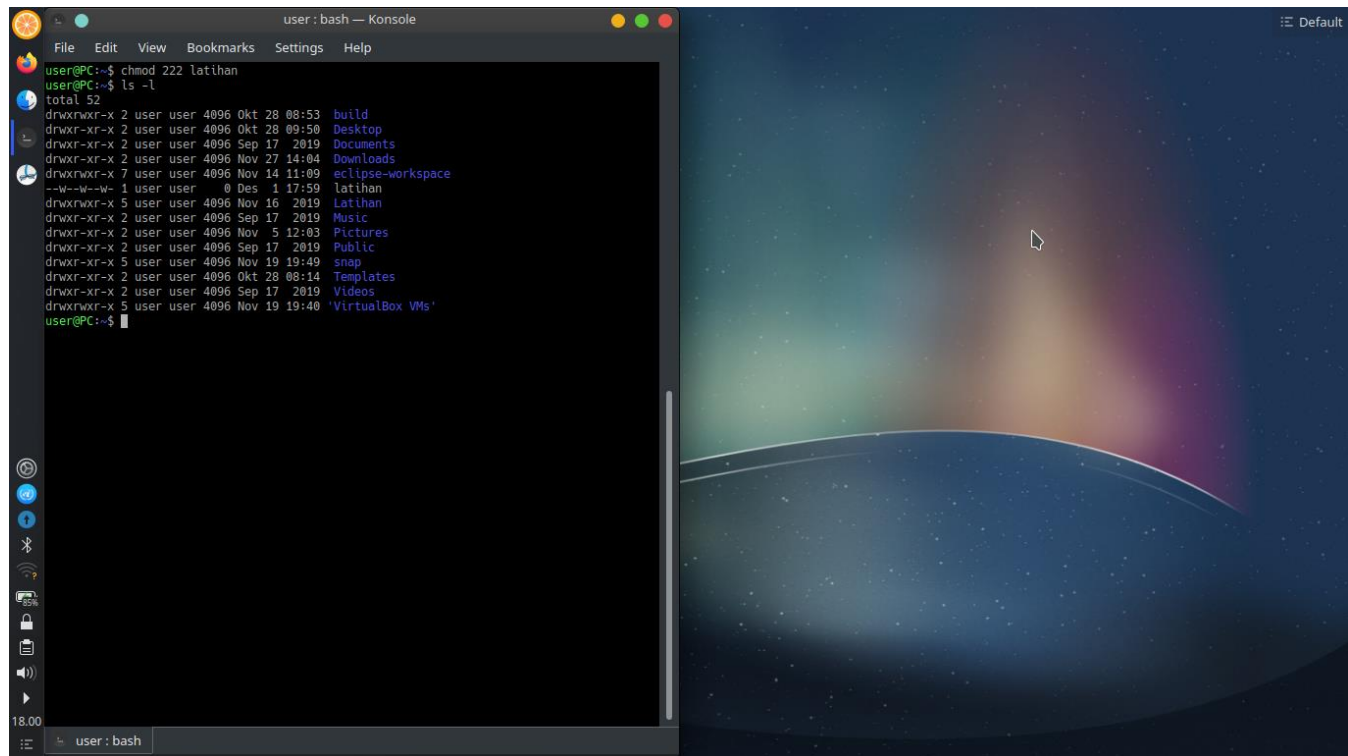
The screenshot shows a terminal window titled "user: bash — Konsole" with a menu bar (File, Edit, View, Bookmarks, Settings, Help) and a sidebar with system icons. The terminal output is as follows:

```
user@PC:~$ chmod 111 latihan
user@PC:~$ ls -l
total 52
drwxrwxr-x 2 user user 4096 Okt 28 08:53 build
drwxr-xr-x 2 user user 4096 Okt 28 09:50 Desktop
drwxr-xr-x 2 user user 4096 Sep 17 2019 Documents
drwxr-xr-x 2 user user 4096 Nov 27 14:04 Downloads
drwxrwxr-x 7 user user 4096 Nov 14 11:09 eclipse-workspace
---x--x--x 1 user user  0 Des  1 17:59 latihan
drwxrwxr-x 5 user user 4096 Nov 16 2019 Latihan
drwxr-xr-x 2 user user 4096 Sep 17 2019 Music
drwxr-xr-x 2 user user 4096 Nov  5 12:03 Pictures
drwxr-xr-x 2 user user 4096 Sep 17 2019 Public
drwxr-xr-x 5 user user 4096 Nov 19 19:49 snap
drwxr-xr-x 2 user user 4096 Okt 28 08:14 Templates
drwxr-xr-x 2 user user 4096 Sep 17 2019 Videos
drwxrwxr-x 5 user user 4096 Nov 19 19:40 'VirtualBox VMs'
user@PC:~$
```

The file "latihan" is highlighted in green in the original image, showing permissions of `---x--x--x`.

8. Ketikkan perintah : `$ chmod 222 latihan`

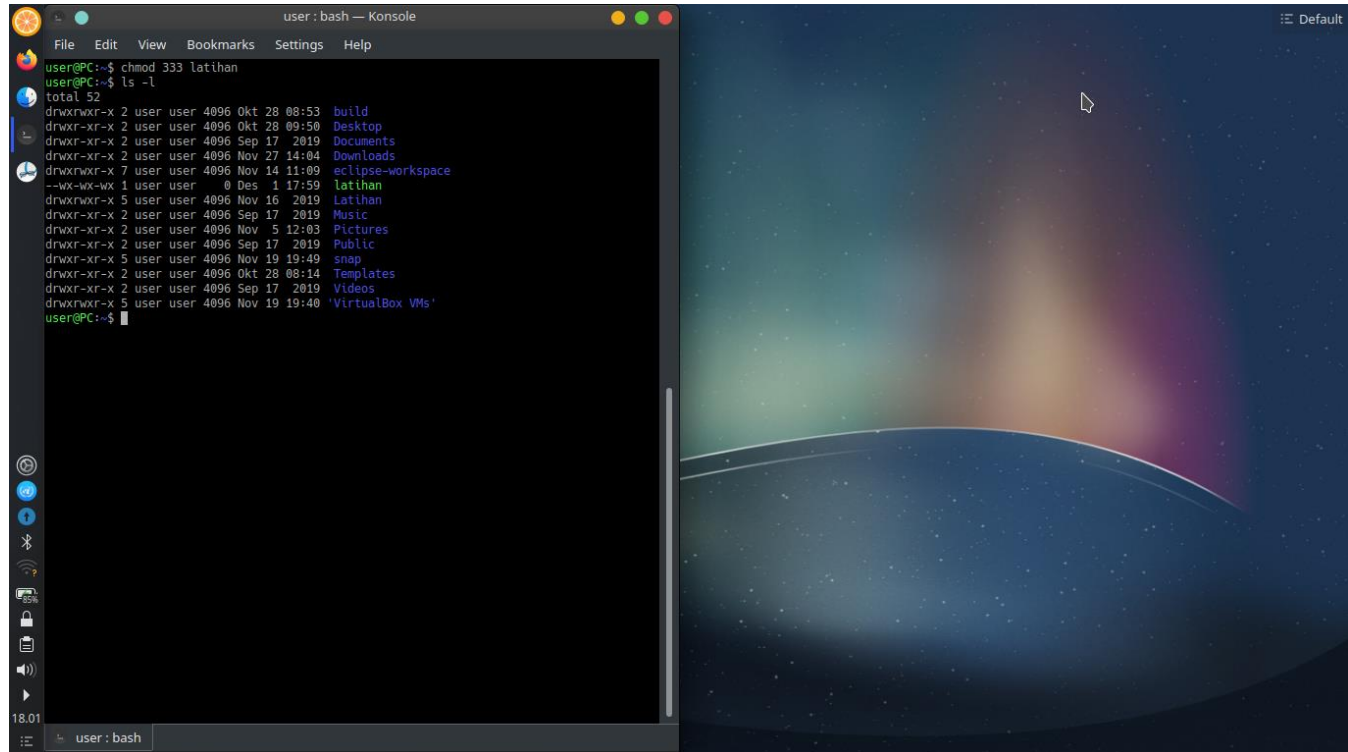
9. Lihat hasilnya dengan : `$ ls -l` (perhatikan izin aksesnya)



The screenshot shows a terminal window titled "user: bash — Konsole" with a menu bar (File, Edit, View, Bookmarks, Settings, Help) and a sidebar with system icons. The terminal output is as follows:

```
user@PC:~$ chmod 222 latihan
user@PC:~$ ls -l
total 52
drwxrwxr-x 2 user user 4096 Okt 28 08:53 build
drwxr-xr-x 2 user user 4096 Okt 28 09:50 Desktop
drwxr-xr-x 2 user user 4096 Sep 17 2019 Documents
drwxr-xr-x 2 user user 4096 Nov 27 14:04 Downloads
drwxrwxr-x 7 user user 4096 Nov 14 11:09 eclipse-workspace
--w--w--w- 1 user user  0 Des 1 17:59 latihan
drwxrwxr-x 5 user user 4096 Nov 16 2019 Latihan
drwxr-xr-x 2 user user 4096 Sep 17 2019 Music
drwxr-xr-x 2 user user 4096 Nov 5 12:03 Pictures
drwxr-xr-x 2 user user 4096 Sep 17 2019 Public
drwxr-xr-x 5 user user 4096 Nov 19 19:49 snap
drwxr-xr-x 2 user user 4096 Okt 28 08:14 Templates
drwxr-xr-x 2 user user 4096 Sep 17 2019 Videos
drwxrwxr-x 5 user user 4096 Nov 19 19:40 'VirtualBox VMs'
user@PC:~$
```

10. Ketikkan perintah : `$ chmod 333 latihan`



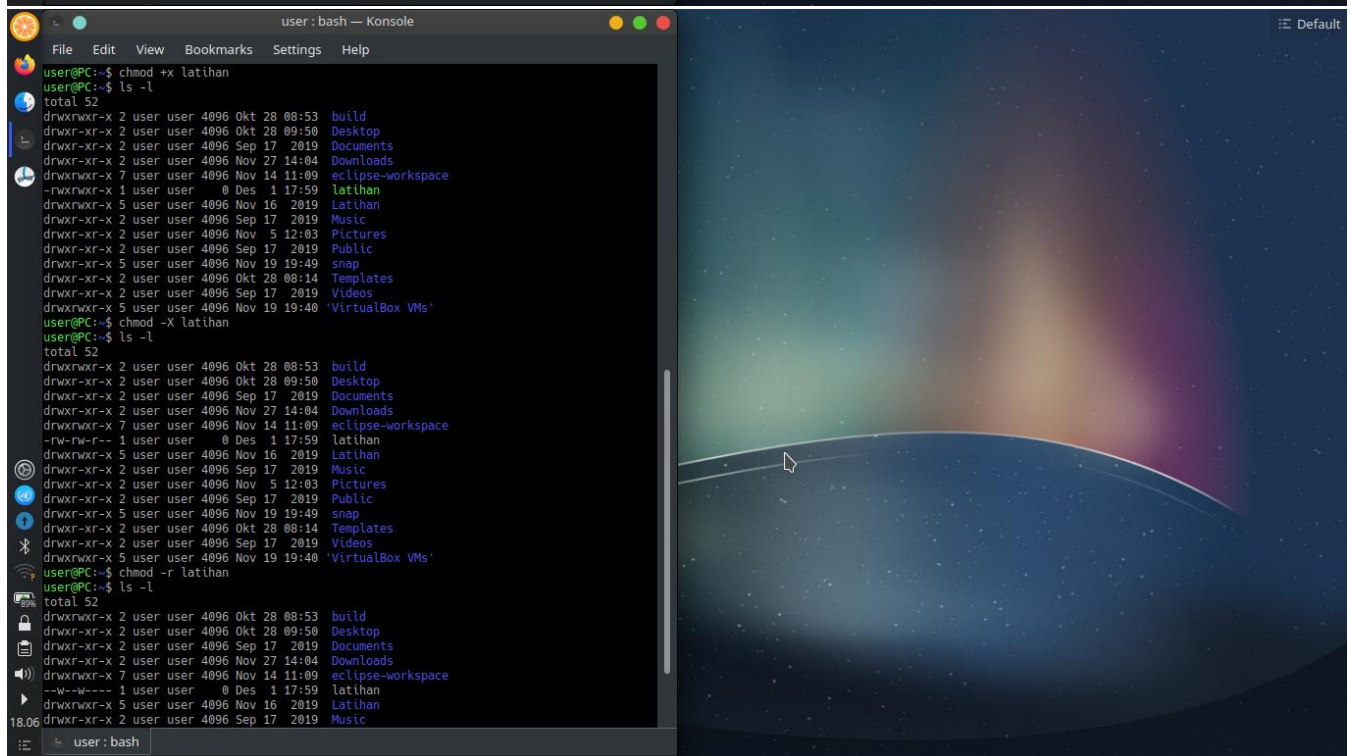
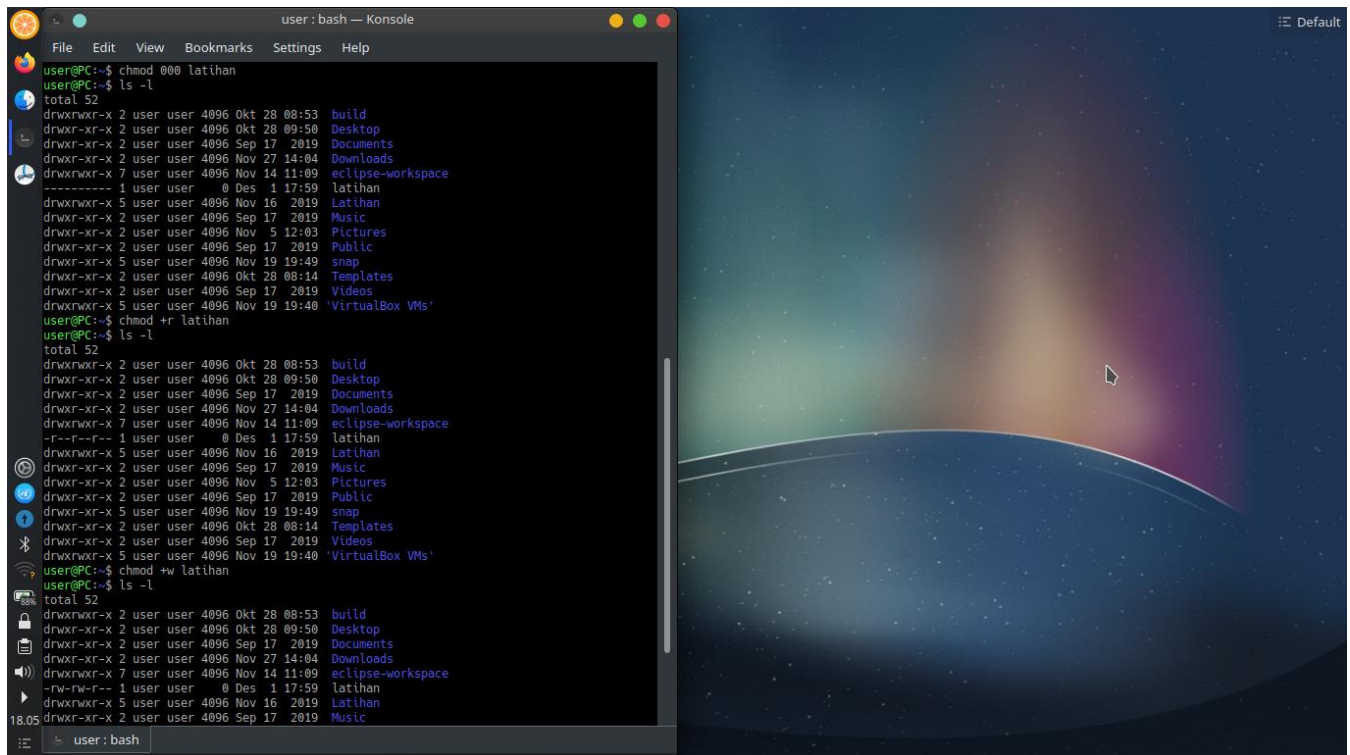
The screenshot shows the same terminal window after running the command `chmod 333 latihan`. The output of `ls -l` is updated:

```
user@PC:~$ chmod 333 latihan
user@PC:~$ ls -l
total 52
drwxrwxr-x 2 user user 4096 Okt 28 08:53 build
drwxr-xr-x 2 user user 4096 Okt 28 09:50 Desktop
drwxr-xr-x 2 user user 4096 Sep 17 2019 Documents
drwxr-xr-x 2 user user 4096 Nov 27 14:04 Downloads
drwxrwxr-x 7 user user 4096 Nov 14 11:09 eclipse-workspace
--wx-wx-wx 1 user user  0 Des 1 17:59 latihan
drwxrwxr-x 5 user user 4096 Nov 16 2019 Latihan
drwxr-xr-x 2 user user 4096 Sep 17 2019 Music
drwxr-xr-x 2 user user 4096 Nov 5 12:03 Pictures
drwxr-xr-x 2 user user 4096 Sep 17 2019 Public
drwxr-xr-x 5 user user 4096 Nov 19 19:49 snap
drwxr-xr-x 2 user user 4096 Okt 28 08:14 Templates
drwxr-xr-x 2 user user 4096 Sep 17 2019 Videos
drwxrwxr-x 5 user user 4096 Nov 19 19:40 'VirtualBox VMs'
user@PC:~$
```

### **Praktikum 3.**

1. \$ chmod 000 latihan (tidak memberikan hak akses)
2. \$ ls -l latihan
3. \$ chmod +r latihan (menambahkan hak akses read)
4. \$ ls -l latihan
5. \$ chmod +w latihan (menambahkan hak akses write)
6. \$ ls -l latihan
7. \$ chmod +x latihan (menambahkan hak akses execute)
8. \$ ls -l latihan
9. \$ chmod -x latihan (menghilangkan hak akses execute)
10. \$ ls -l latihan
11. \$ chmod -w latihan (menghilangkan hak akses write)
12. \$ ls -l latihan
13. \$ chmod -r latihan (menghilangkan hak akses read)
14. \$ ls -l latihan







#### **Praktikum 4.**

1. Masuklah ke dalam direktori /bin : `$ cd /bin`

2. Buat file bernama info.sh : `$ vi info<nim anda>.sh`

3. Ketik isinya ( jangan lupa menekan tombol i dulu) sebagai berikut (perhatikan besar/kecil hurufnya) :

```
# !/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
```

