

PRAKTIKUM SISTEM OPERASI

MODUL 7



DISUSUN OLEH:

ILHAM RIAN NOVANTO

L200200247

INFORMATIKA

FAKULTAS KOMUNIKASI DAN INFORMATIKA

UNIVERSITAS MUHAMMADIYAH SURAKARTA

2021

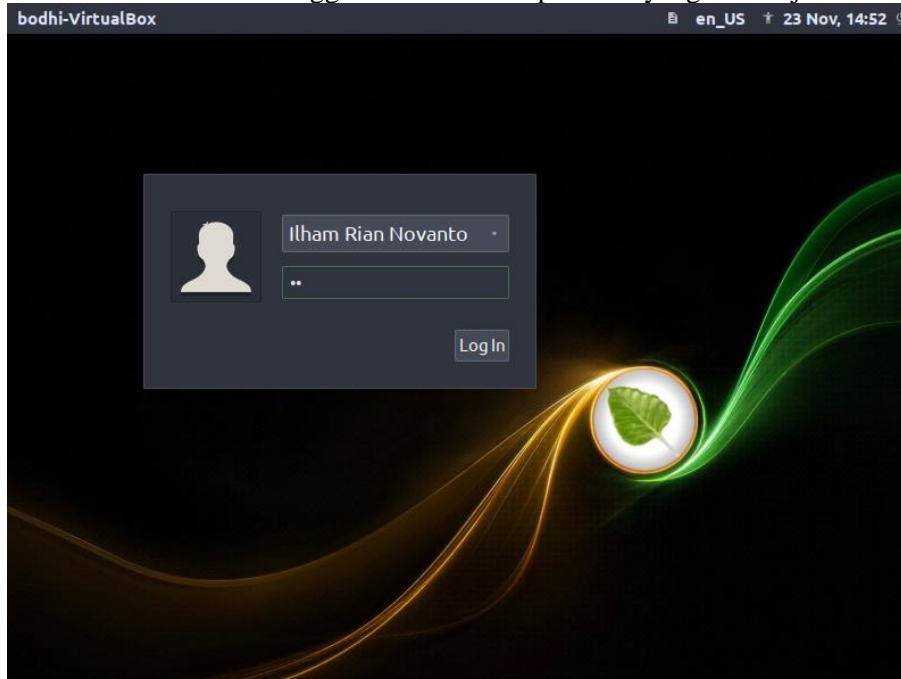
Praktikum 1

Kerjakan perintah berikut:

1. Buat user baru: # useradd 1200200247
2. Masukkan pasword yang diminta sebanyak dua kali
3. Jika sudah berhasil akan muncul pesan **passwd: password updated successfully**
4. Dilanjutkan dengan memasukkan user information untuk user yang anda buat, masukkanlah data-data yang diminta.

```
root@bodhi-VirtualBox: /home/bodhi
bodhi@bodhi-VirtualBox:~$ sudo su
[sudo] password for bodhi:
root@bodhi-VirtualBox:/home/bodhi# adduser 1200200247
Adding user `1200200247' ...
Adding new group `1200200247' (1001) ...
Adding new user `1200200247' (1001) with group `1200200247' ...
Creating home directory `/home/1200200247' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for 1200200247
Enter the new value, or press ENTER for the default
  Full Name []: Ilham Rian Novanto
    Room Number []: 247
    Work Phone []: 08887034076
    Home Phone []: 08887034083
      Other []: ilhamrian27@gmail.com
Is the information correct? [Y/n] Y
root@bodhi-VirtualBox:/home/bodhi#
```

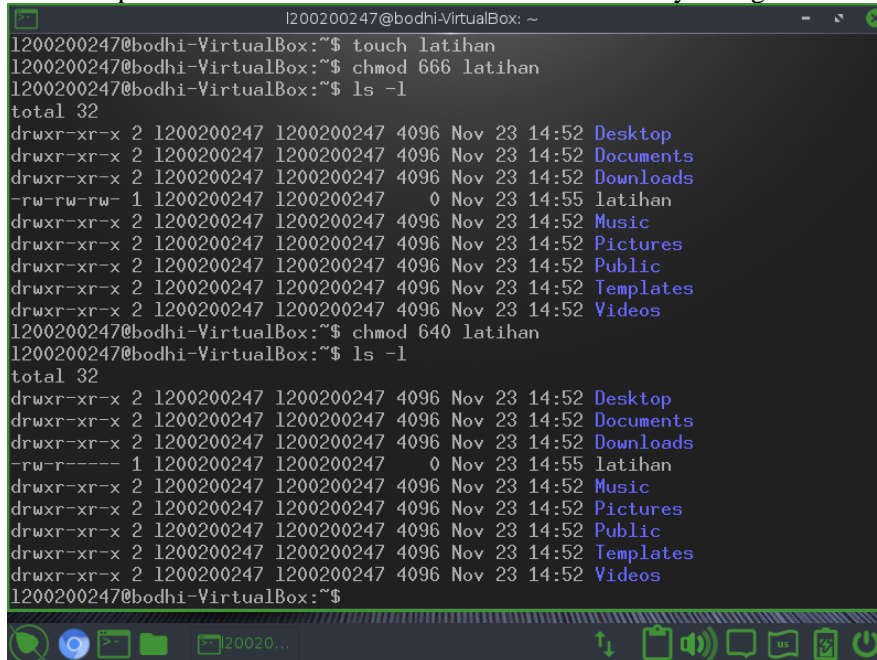
5. Keluarlah dari gnome dengan mengklik tombol Log Out . Setelah masuk ke jendela login, cobalah untuk masuk menggunakan user dan pasword yang baru saja anda buat.



Praktikum 2

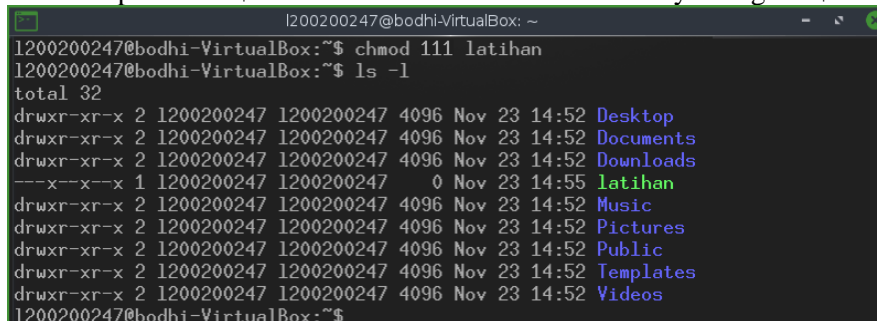
Kerjakan perintah berikut :

1. Buat file latihan : `$ touch latihan`
2. Ketikkan perintah : `$ chmod 666 latihan`
3. Lihat hasilnya dengan : `$ ls -l` (perhatikan izin aksesnya)
4. Ketikkan perintah : `$ chmod 640 latihan` dan Lihat hasilnya dengan : `$ ls -l`



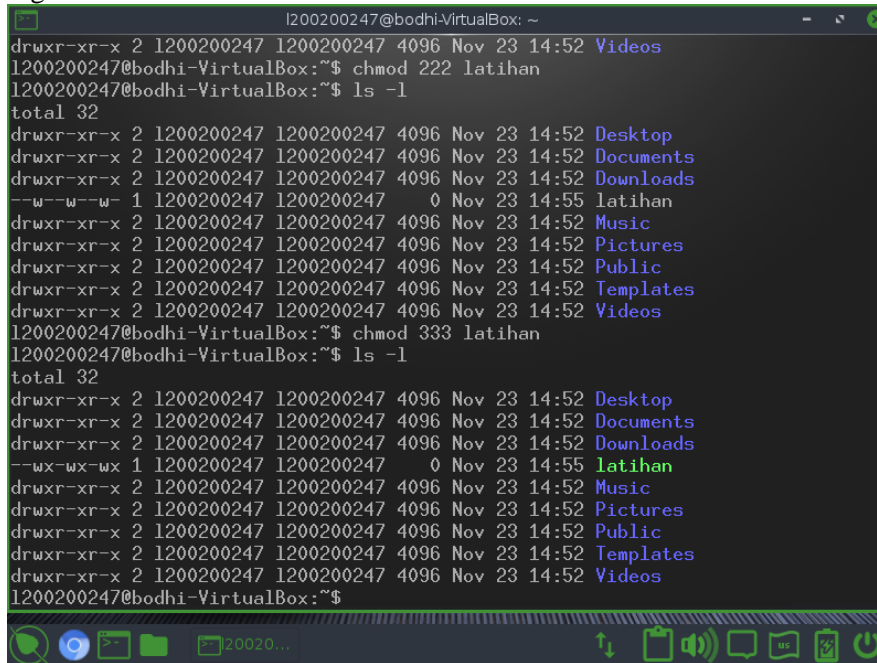
```
1200200247@bodhi-VirtualBox: ~  
1200200247@bodhi-VirtualBox:~$ touch latihan  
1200200247@bodhi-VirtualBox:~$ chmod 666 latihan  
1200200247@bodhi-VirtualBox:~$ ls -l  
total 32  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Desktop  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Documents  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Downloads  
-rw-rw-rw- 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Music  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Pictures  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Public  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Templates  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Videos  
1200200247@bodhi-VirtualBox:~$ chmod 640 latihan  
1200200247@bodhi-VirtualBox:~$ ls -l  
total 32  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Desktop  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Documents  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Downloads  
-rw-r----- 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Music  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Pictures  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Public  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Templates  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Videos  
1200200247@bodhi-VirtualBox:~$
```

5. Ketikkan perintah : `$ chmod 111 latihan` dan Lihat hasilnya dengan : `$ ls -l`



```
1200200247@bodhi-VirtualBox: ~  
1200200247@bodhi-VirtualBox:~$ chmod 111 latihan  
1200200247@bodhi-VirtualBox:~$ ls -l  
total 32  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Desktop  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Documents  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Downloads  
--x--x--x 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Music  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Pictures  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Public  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Templates  
drwxr-xr-x 2 1200200247 1200200247 4096 Nov 23 14:52 Videos  
1200200247@bodhi-VirtualBox:~$
```

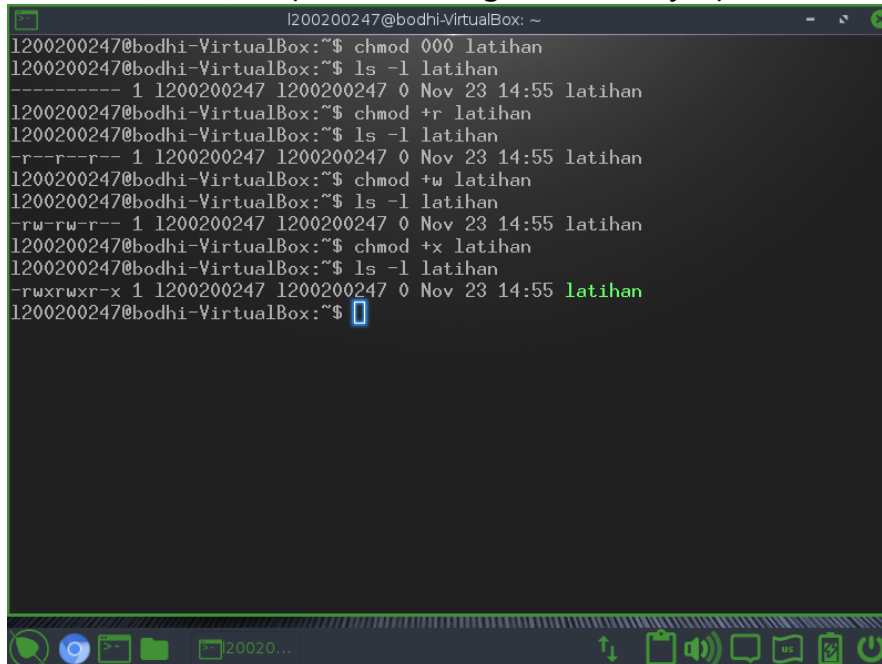
6. Ketikkan perintah : `$ chmod 222 latihan` dan Lihat hasilnya dengan : `$ ls -l`
7. Ketikkan perintah : `$ chmod 333 latihan` Angka konfigurasi yang dapat dikombinasikan adalah angka 0-7



```
l200200247@bodhi-VirtualBox: ~  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Videos  
l200200247@bodhi-VirtualBox:~$ chmod 222 latihan  
l200200247@bodhi-VirtualBox:~$ ls -l  
total 32  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Desktop  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Documents  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Downloads  
-w--w--w- 1 l200200247 l200200247 0 Nov 23 14:55 latihan  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Music  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Pictures  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Public  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Templates  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Videos  
l200200247@bodhi-VirtualBox:~$ chmod 333 latihan  
l200200247@bodhi-VirtualBox:~$ ls -l  
total 32  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Desktop  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Documents  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Downloads  
-wx-wx-wx 1 l200200247 l200200247 0 Nov 23 14:55 latihan  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Music  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Pictures  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Public  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Templates  
drwxr-xr-x 2 l200200247 l200200247 4096 Nov 23 14:52 Videos  
l200200247@bodhi-VirtualBox:~$
```

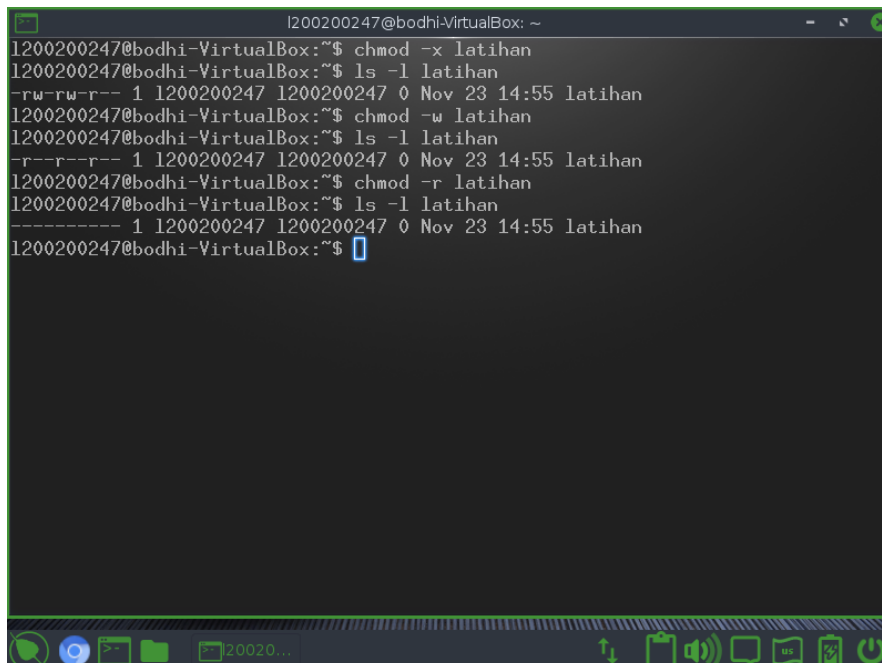
Praktikum 3

1. Ketikan `chmod 000 latihan` (tidak memberikan hak akses), lalu memulai dengan memberikan hak akses read, write dan execute dengan mengetikan `chmod +r / +w / +x` (ditandai dengan warna hijau) dan cek dengan `ls -l latihan`.



```
1200200247@bodhi-VirtualBox: ~  
1200200247@bodhi-VirtualBox:~$ chmod 000 latihan  
1200200247@bodhi-VirtualBox:~$ ls -l latihan  
----- 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
1200200247@bodhi-VirtualBox:~$ chmod +r latihan  
1200200247@bodhi-VirtualBox:~$ ls -l latihan  
-r--r--r-- 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
1200200247@bodhi-VirtualBox:~$ chmod +w latihan  
1200200247@bodhi-VirtualBox:~$ ls -l latihan  
-rw-rw-r-- 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
1200200247@bodhi-VirtualBox:~$ chmod +x latihan  
1200200247@bodhi-VirtualBox:~$ ls -l latihan  
-rwxrwxr-x 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
1200200247@bodhi-VirtualBox:~$
```

2. Hak akses juga bisa dihapus dengan ketikan `chmod -x / -w / -r` lalu cek dengan `ls -l latihan`.

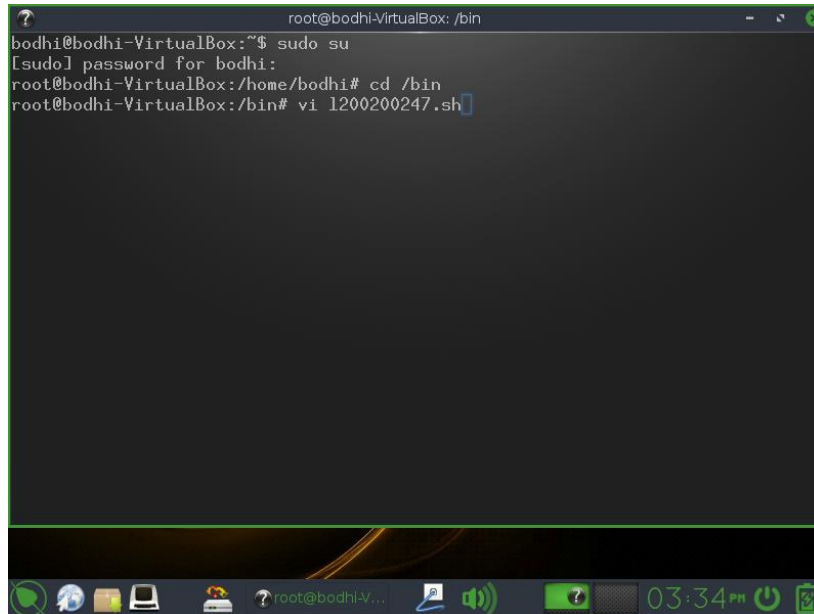


```
1200200247@bodhi-VirtualBox: ~  
1200200247@bodhi-VirtualBox:~$ chmod -x latihan  
1200200247@bodhi-VirtualBox:~$ ls -l latihan  
-rw-rw-r-- 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
1200200247@bodhi-VirtualBox:~$ chmod -w latihan  
1200200247@bodhi-VirtualBox:~$ ls -l latihan  
-r--r--r-- 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
1200200247@bodhi-VirtualBox:~$ chmod -r latihan  
1200200247@bodhi-VirtualBox:~$ ls -l latihan  
----- 1 1200200247 1200200247 0 Nov 23 14:55 latihan  
1200200247@bodhi-VirtualBox:~$
```

Praktikum 4

Jalankan perintah berikut :

1. Masuklah ke dalam direktori /bin : `$ cd /bin`
2. Buat file bernama info.sh : `$ vi info.sh`



```
root@bodhi-VirtualBox: /bin
bodhi@bodhi-VirtualBox:~$ sudo su
[sudo] password for bodhi:
root@bodhi-VirtualBox:/home/bodhi# cd /bin
root@bodhi-VirtualBox:/bin# vi 1200200247.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
```

saya mengubah kode di atas(karena ketika dijalankan error) dibuang dengan kode berikut:

```
# !/bin/sh
```

```
WAKTU="Tanggal dan jam saat ini : "
```

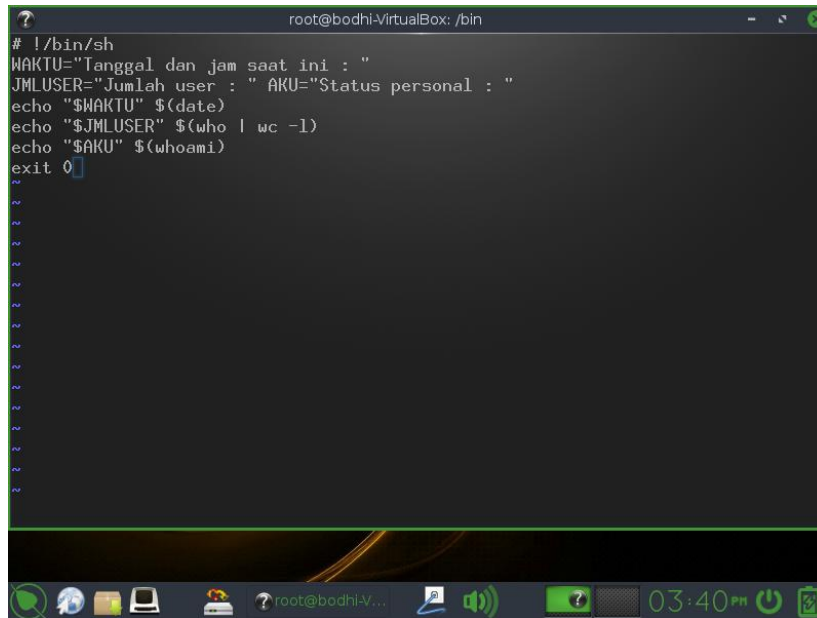
```
JMLUSER="Jumlah user : " AKU="Status personal : "
```

```
echo "$WAKTU" $(date)
```

```
echo "$JMLUSER" $(who | wc -l)
```

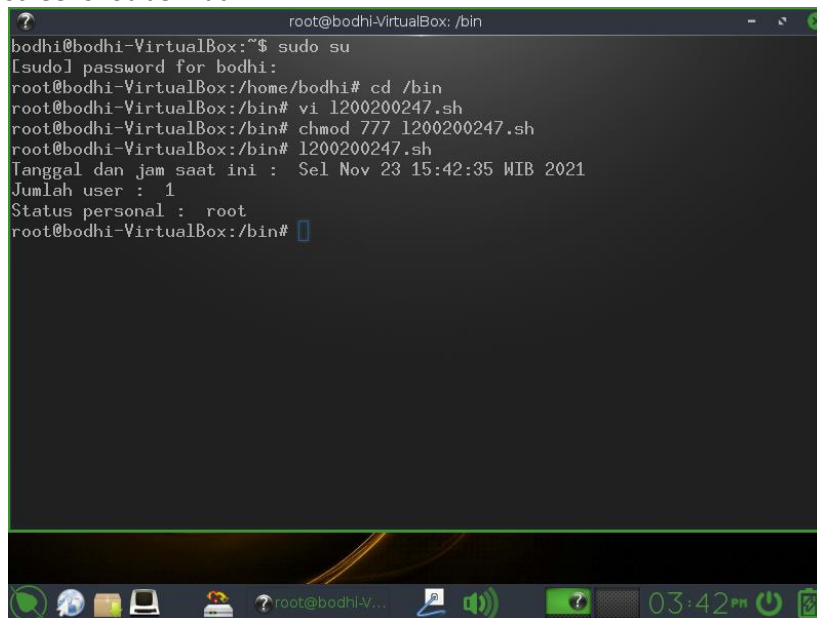
```
echo "$AKU" $(whoami)
```

```
exit 0
```



```
root@bodhi-VirtualBox: /bin
# !/bin/sh
WAKTU="Tanggal dan jam saat ini : "
JMLUSER="Jumlah user : " AKU="Status personal : "
echo "$WAKTU" $(date)
echo "$JMLUSER" $(who | wc -l)
echo "$AKU" $(whoami)
exit 0
```

4. Simpan dan keluar dengan menekan ESC, dan mengetik :wq
5. Ketikkan perintah berikut agar bisa dieksekusi : chmod 777 l200200247.sh
Lalu ketik perintah nim.sh(l200200247.sh), maka akan muncul hasil pada screenshot berikut ini:



```
root@bodhi-VirtualBox: /bin
bodhi@bodhi-VirtualBox:~$ sudo su
[sudo] password for bodhi:
root@bodhi-VirtualBox:/home/bodhi# cd /bin
root@bodhi-VirtualBox:/bin# vi l200200247.sh
root@bodhi-VirtualBox:/bin# chmod 777 l200200247.sh
root@bodhi-VirtualBox:/bin# l200200247.sh
Tanggal dan jam saat ini :  Sel Nov 23 15:42:35 WIB 2021
Jumlah user : 1
Status personal : root
root@bodhi-VirtualBox:/bin#
```