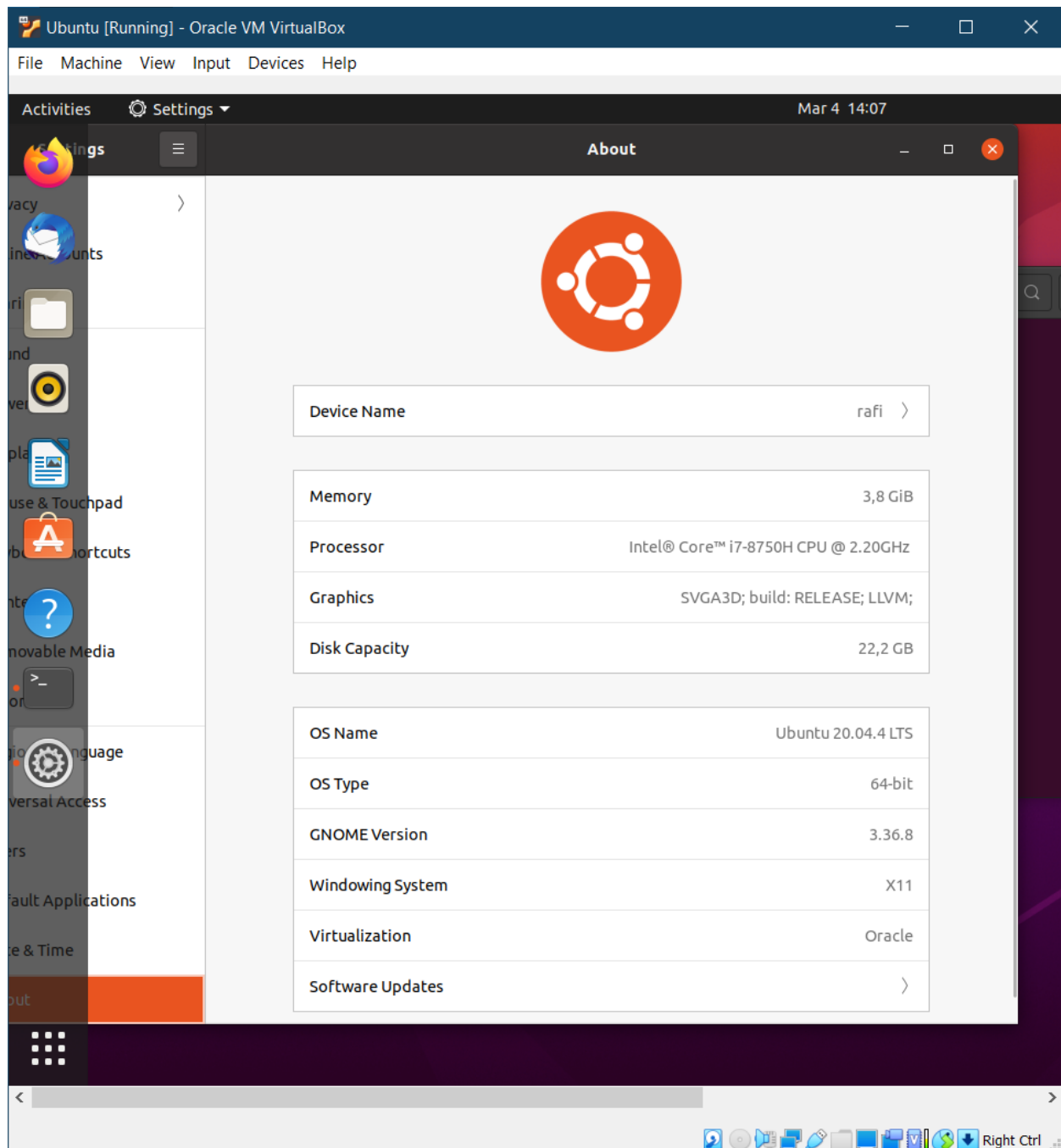


M.Rafi Irfansyah 1301204500
IF-44-08

1. Informasi Sistem



2. A. Mode Superuser

```
root@rafi: /home/rafi

rafi@rafi:~$ sudo su
[sudo] password for rafi:
root@rafi:/home/rafi#
```

B. Buat File Bernama nim.txt

```
root@rafi: /home/rafi

rafi@rafi:~$ sudo su
[sudo] password for rafi:
root@rafi:/home/rafi# touch 1301204500.txt
root@rafi:/home/rafi#
```

C. Isi File

```
root@rafi:/home/rafi# nano 1301204500.txt
root@rafi:/home/rafi#
```

```
GNU nano 4.8 1301204500.txt
Muhammad Rafi Irfansyah,1301204500, IF-44-08
```

```
[ Read 1 line ]
^G Get Help  ^O Write Out  ^W Where Is   ^K Cut Text   ^J Justify    ^C Cur Pos
^X Exit      ^R Read File  ^\ Replace    ^U Paste Text ^T To Spell   ^_ Go To Line
```

E. Menampilkan isi file

```
root@rafi:/home/rafi# cat 1301204500.txt
Muhammad Rafi Irfansyah,1301204500, IF-44-08
```

F. Buat folder nim_Kode-asprak

```
root@rafi:/home/rafi# mkdir 1301204500_NRA
root@rafi:/home/rafi# ls
1301204500_NRA  Desktop  foo.bar  pt  Templates
1301204500.txt  Documents Music  Public Videos
copy_1301204500.txt Downloads Pictures snap
```

G. masuk folder

```
root@rafi:/home/rafi# cd 1301204500_NRA
root@rafi:/home/rafi/1301204500_NRA#
```

H. balik ke home

```
root@rafi:/home/rafi# cd 1301204500_NRA
root@rafi:/home/rafi/1301204500_NRA# cd ..
root@rafi:/home/rafi#
```

```
root@rafi: /home/rafi
rafi@rafi:~$ sudo su
[sudo] password for rafi:
root@rafi:/home/rafi# touch 1301204500.txt
root@rafi:/home/rafi# nano 1301204500.txt
root@rafi:/home/rafi# nano 1301204500.txt
root@rafi:/home/rafi# cat 1301204500.txt
Muhammad Rafi Irfansyah,1301204500, IF-44-08
root@rafi:/home/rafi# cp 1301204500.txt copy_1301204500.txt
root@rafi:/home/rafi# ls
1301204500.txt  Desktop  Downloads  Music  pt  snap  Videos
copy_1301204500.txt Documents foo.bar  Pictures Public Templates
root@rafi:/home/rafi# mkdir 1301204500_NRA
root@rafi:/home/rafi# ls
1301204500_NRA  Desktop  foo.bar  pt  Templates
1301204500.txt  Documents Music  Public Videos
copy_1301204500.txt Downloads Pictures snap
root@rafi:/home/rafi# cd 1301204500_NRA
root@rafi:/home/rafi/1301204500_NRA# cd ..
root@rafi:/home/rafi# mv copy_1301204500.txt 1301204500_NRA
root@rafi:/home/rafi# ls
1301204500_NRA  Desktop  Downloads  Music  pt  snap  Videos
1301204500.txt  Documents foo.bar  Pictures Public Templates
root@rafi:/home/rafi#
root@rafi:/home/rafi/1301204500_NRA# pwd
/home/rafi/1301204500_NRA
root@rafi:/home/rafi/1301204500_NRA#
```

```
root@rafi: /home/rafi/1301204500_NRA
root@rafi:/home/rafi# touch 1301204500.txt
root@rafi:/home/rafi# nano 1301204500.txt
root@rafi:/home/rafi# nano 1301204500.txt
root@rafi:/home/rafi# cat 1301204500.txt
Muhammad Rafi Irfansyah,1301204500, IF-44-08
root@rafi:/home/rafi# cp 1301204500.txt copy_1301204500.txt
root@rafi:/home/rafi# ls
1301204500.txt      Desktop  Downloads  Music      pt        snap       Videos
copy_1301204500.txt Documents foo.bar    Pictures   Public    Templates
root@rafi:/home/rafi# mkdir 1301204500_NRA
root@rafi:/home/rafi# ls
1301204500_NRA      Desktop  foo.bar    pt         Templates
1301204500.txt      Documents Music      Public     Videos
copy_1301204500.txt Downloads Pictures   snap
root@rafi:/home/rafi# cd 1301204500_NRA
root@rafi:/home/rafi/1301204500_NRA# cd ..
root@rafi:/home/rafi# mv copy_1301204500.txt 1301204500_NRA
root@rafi:/home/rafi# ls
1301204500_NRA      Desktop  Downloads  Music      pt        snap       Videos
1301204500.txt      Documents foo.bar    Pictures   Public    Templates
root@rafi:/home/rafi# cd 1301204500_NRA
root@rafi:/home/rafi/1301204500_NRA# ls
copy_1301204500.txt
root@rafi:/home/rafi/1301204500_NRA#
```

```
root@rafi: /home/rafi
1301204500.txt      Desktop  Downloads  Music      pt        snap       Videos
copy_1301204500.txt Documents foo.bar    Pictures   Public    Templates
root@rafi:/home/rafi# mkdir 1301204500_NRA
root@rafi:/home/rafi# ls
1301204500_NRA      Desktop  foo.bar    pt         Templates
1301204500.txt      Documents Music      Public     Videos
copy_1301204500.txt Downloads Pictures   snap
root@rafi:/home/rafi# cd 1301204500_NRA
root@rafi:/home/rafi/1301204500_NRA# cd ..
root@rafi:/home/rafi# mv copy_1301204500.txt 1301204500_NRA
root@rafi:/home/rafi# ls
1301204500_NRA      Desktop  Downloads  Music      pt        snap       Videos
1301204500.txt      Documents foo.bar    Pictures   Public    Templates
root@rafi:/home/rafi# cd 1301204500_NRA
root@rafi:/home/rafi/1301204500_NRA# ls
copy_1301204500.txt
root@rafi:/home/rafi/1301204500_NRA# rm -R 1301204500_NRA
rm: cannot remove '1301204500_NRA': No such file or directory
root@rafi:/home/rafi/1301204500_NRA# cd ..
root@rafi:/home/rafi# rm -R 1301204500_NRA
root@rafi:/home/rafi# ls
1301204500.txt      Documents foo.bar    Pictures   Public    Templates
Desktop             Downloads Music      pt         snap       Videos
root@rafi:/home/rafi#
```

```
rafi@rafi: ~  
root@rafi:/home/rafi# mkdir 1301204500_NRA  
root@rafi:/home/rafi# ls  
1301204500_NRA Desktop foo.bar pt Templates  
1301204500.txt Documents Music Public Videos  
copy_1301204500.txt Downloads Pictures snap  
root@rafi:/home/rafi# cd 1301204500_NRA  
root@rafi:/home/rafi/1301204500_NRA# cd ..  
root@rafi:/home/rafi# mv copy_1301204500.txt 1301204500_NRA  
root@rafi:/home/rafi# ls  
1301204500_NRA Desktop Downloads Music pt snap Videos  
1301204500.txt Documents foo.bar Pictures Public Templates  
root@rafi:/home/rafi# cd 1301204500_NRA  
root@rafi:/home/rafi/1301204500_NRA# ls  
copy_1301204500.txt  
root@rafi:/home/rafi/1301204500_NRA# rm -R 1301204500_NRA  
rm: cannot remove '1301204500_NRA': No such file or directory  
root@rafi:/home/rafi/1301204500_NRA# cd ..  
root@rafi:/home/rafi# rm -R 1301204500_NRA  
root@rafi:/home/rafi# ls  
1301204500.txt Documents foo.bar Pictures Public Templates  
Desktop Downloads Music pt snap Videos  
root@rafi:/home/rafi# exit  
exit  
rafi@rafi:~$
```

```
GNU nano 4.8 soal4.py Modified  
def py(n):  
    for i in range(0, n):  
        for j in range(0, n):  
            if n-j == i+1:  
                print(i+1, end=" ")  
            elif j >= n-i:  
                print("0 ", end="")  
            else:  
                print(" ", end=" ")  
        print("\r")  
  
n = 5  
py(n)
```

[^]G Get Help [^]O Write Out [^]W Where Is [^]K Cut Text [^]J Justify [^]C Cur Pos
[^]X Exit [^]R Read File [^]\ Replace [^]U Paste Text [^]T To Spell [^] Go To Line

```
rafi@rafi: ~  
rafi@rafi:~$ python3 --version  
Python 3.8.10  
rafi@rafi:~$ touch soal4.py  
rafi@rafi:~$ nano soal4.py  
rafi@rafi:~$ cat soal4.py  
def py(n):  
    for i in range(0, n):  
        for j in range(0, n):  
            if n-j == i+1:  
                print(i+1, end=" ")  
            elif j >= n-i:  
                print("0 ", end="")  
            else:  
                print(" ", end=" ")  
        print("\r")  
  
n = 5  
py(n)  
rafi@rafi:~$ python3 soal4.py  
1  
2 0  
3 0 0  
4 0 0 0  
5 0 0 0 0  
rafi@rafi:~$
```