### PERTEMUAN II

### PRAKTIKUM CLOUD COMPUTING

## Pengenalan VMware Workstation dan Linux OS

- Membuat Layanan hosting
- -apache
- MySQL
- PHP
- 1) Pengenalan VMware Workstation

Virtual OS

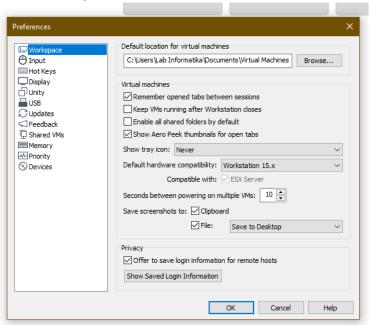
Aplikasi VMware Workstation

Os pada omputer

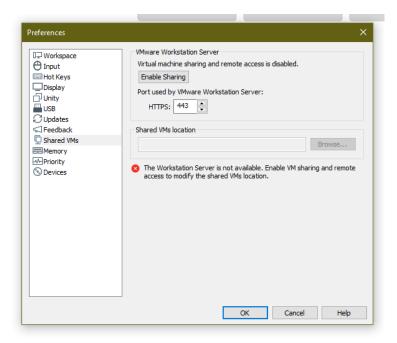
Hard Fisik Komputer

## Digunakan untuk virtualisasi SO

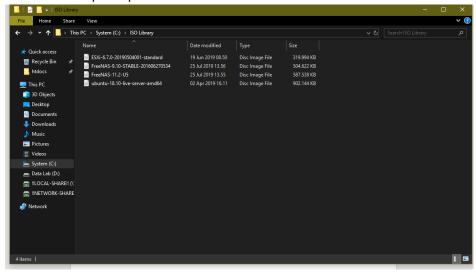
 Manfaat Fasilitas Swapping (Masalah Kurang RAM)



Memperbaiki Konflik Port pada XAMPP



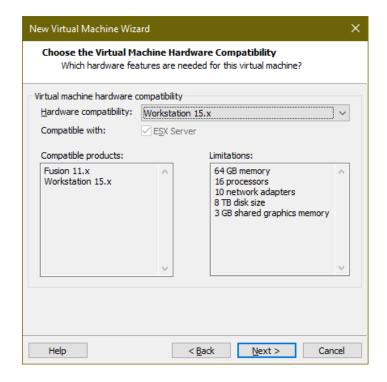
- 2) Linux
- Linux OS
- Periksa di komputer pada drive C



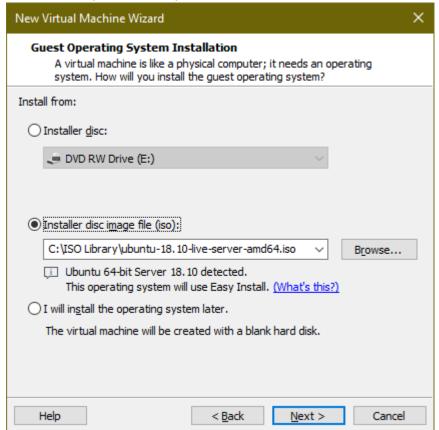
### 1. Pilih custom



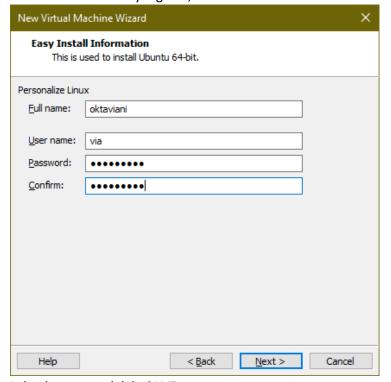
2. Disesuaikan dengan OS yang digunakan



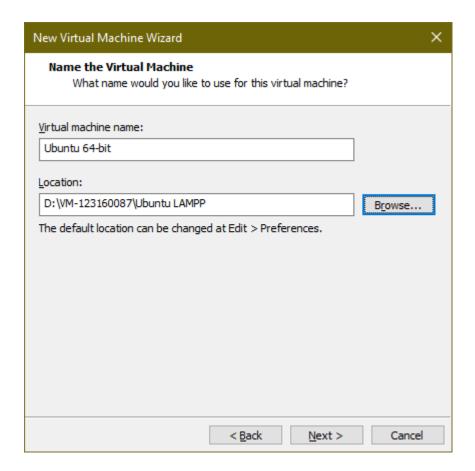
 Pilih berkas SO untuk VM yang akan dibuat Informasi kompatibilitas Esay Instal akan muncul



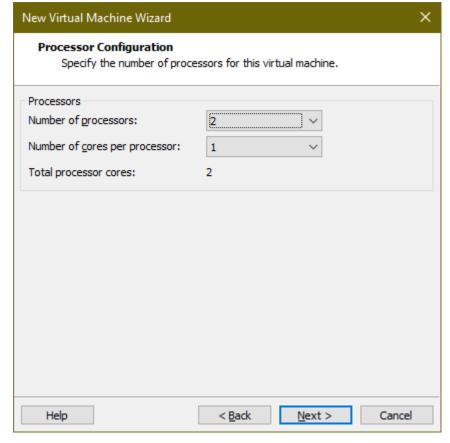
4. Isikan semua format yang ada, lalu next



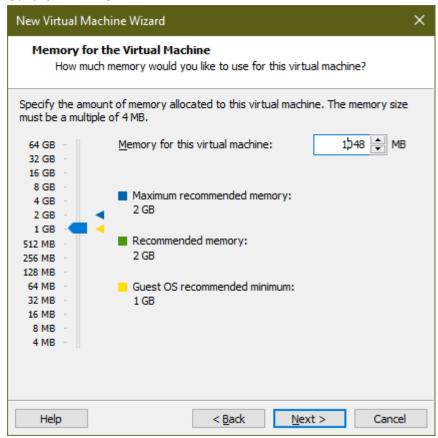
Lalu akan muncul, lalu SAVE



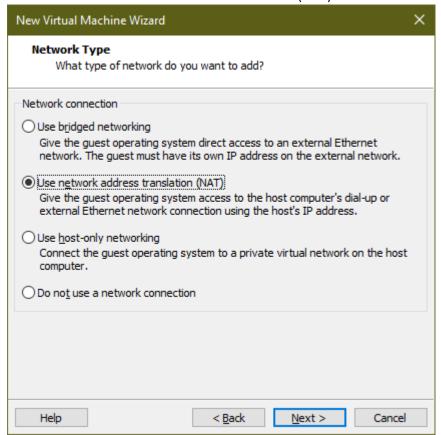
5. Gunakan parameter processor sebanyak 2 dan cores per prosessor 1



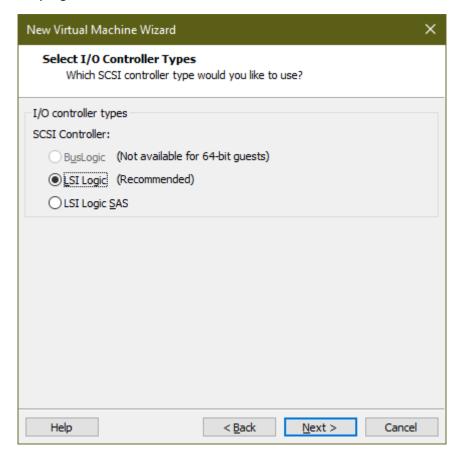
### 6. Gunakan RAM 1GB



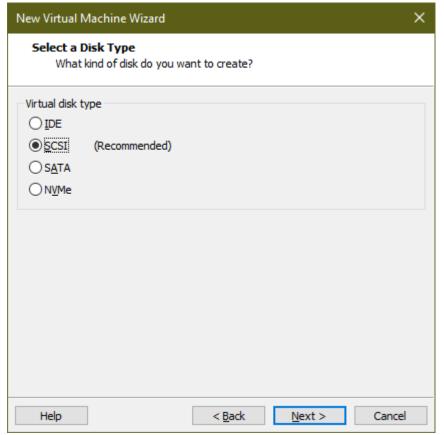
7. Pilih network mode network address translation (NAT)



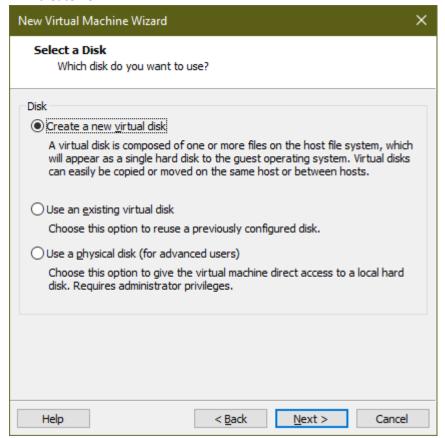
# 8. Pilih yang recommended



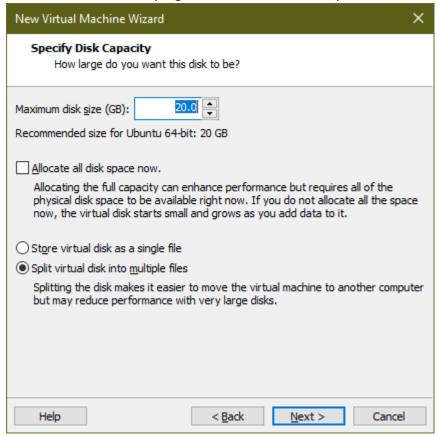
# 9. Pilih yang SCSI

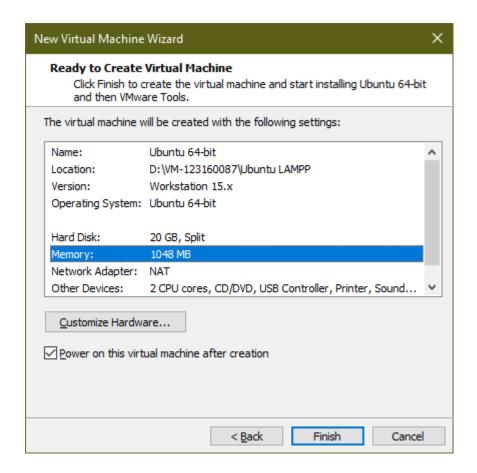


### 10. Pilih create new



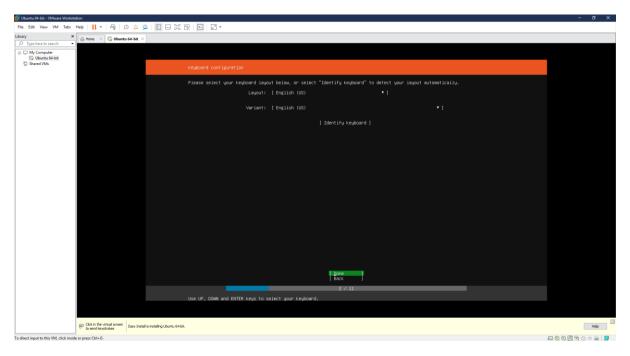
11. Gunakan ukuran default yang disarankan oleh Ubuntu, yaitu 20 GB

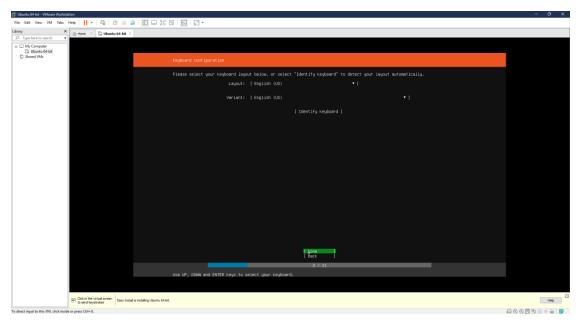


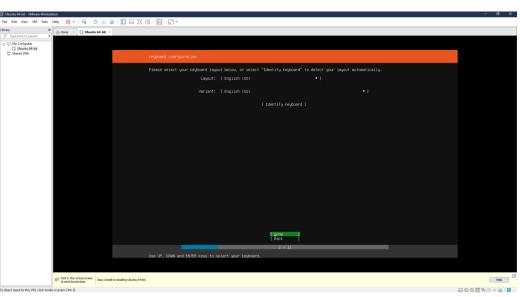


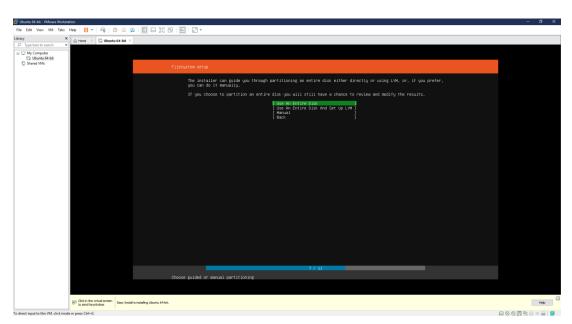
## PROSES INSTALASI UBUNTU SERVER

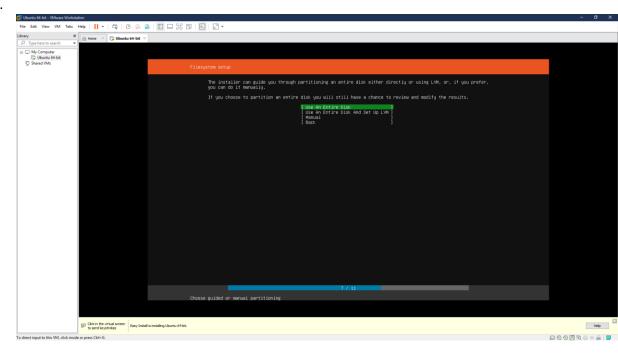
1.

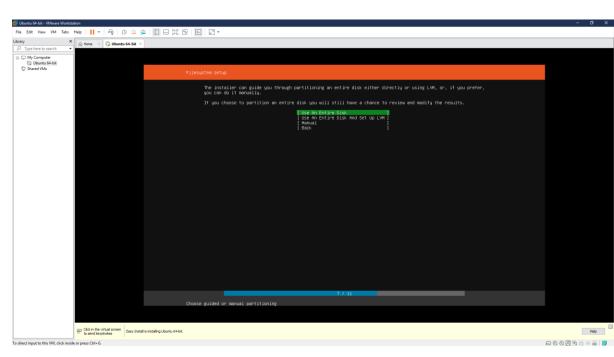


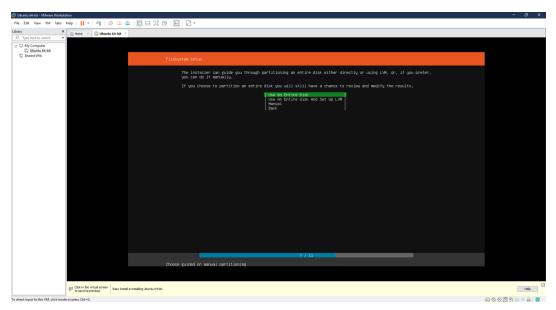


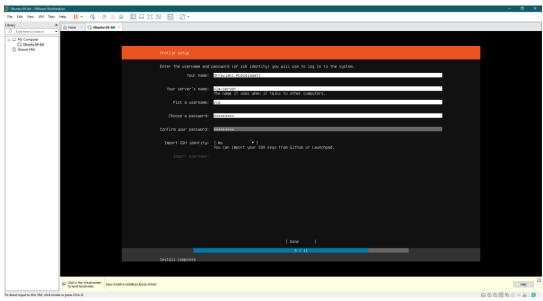












9. Klik done

```
To detail the control of the long of the l
```

Sampai ada tampilan :

```
The Side Hold for KDV SCHOOL Cond-init v. 18.4-7-846550156-obbantul running 'modulestfinal' at Fri, 14 Feb 2020 02:36:11 +0000. Up 26.83 seconds.

[ 26.5945899] Cloud-init [2593]: Cloud-init v. 18.4-7-846550156-obbantul running 'modulestfinal' at Fri, 14 Feb 2020 02:36:11 +0000. Up 26.83 seconds.

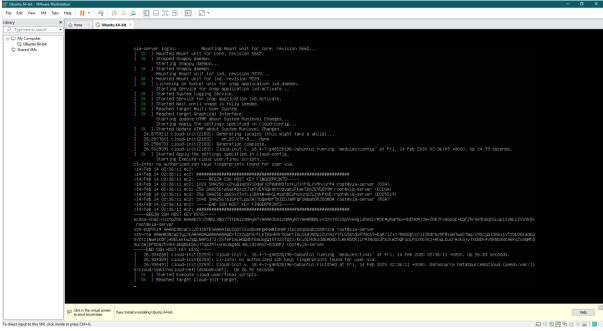
[ 26.5945899] Cloud-init [2593]: Cloud-init v. 18.4-7-846550158-obbantul running 'modulestfinal' at Fri, 14 Feb 2020 02:36:11 +0000. Databurce DataBourceHolCloud [seeds_var/1]

[ 26.5 Started Execute Cloud-init final scripts.

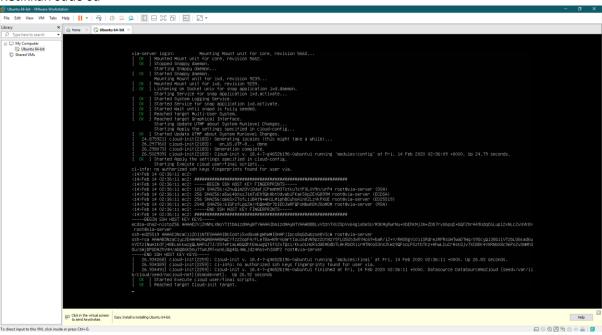
[ 36.5 Started Execute Cloud-init final scripts.

[ 36.5 Resched target Cloud-init target.
```

# 10. Login

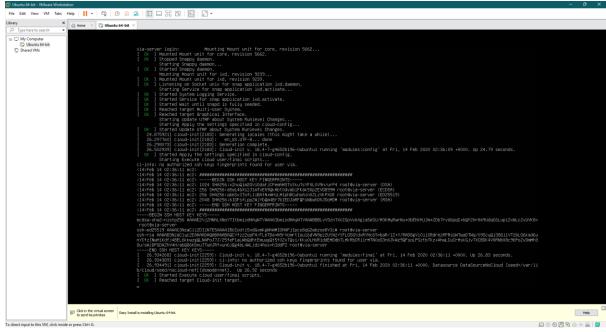


## 11. Ketikkan sudo su

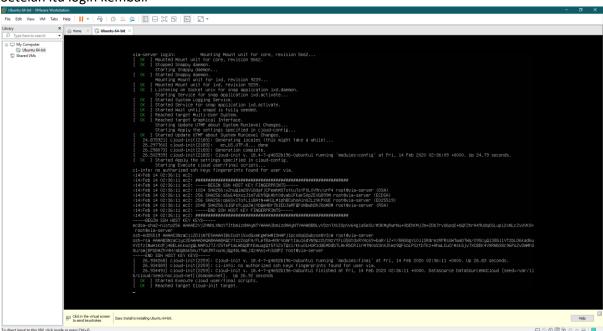


# 12. Jika sudah 'exit'

Ketikkan nano /etc/motd

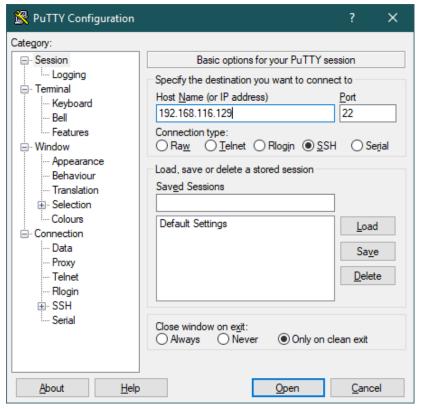


- 13. SAVE = CTRL+O
- 14. EXIT = CTRL-X
- 15. Setelah itu login kembali



Menggunakan Remote Terminal: PUTTY

- Cari tahu IP VM saat ini
- Masuk pada applikasi 'PUTTY'



• Lalu login

```
🚜 via@via-server: ~
                                                                         ×
 System load: 0.12
                                   Processes:
                                                         163
                                                                                 ۸
               20.9% of 19.56GB
 Usage of /:
                                   Users logged in:
 Memory usage: 26%
                                   IP address for ens33: 192.168.116.129
 Swap usage:
 * Multipass 1.0 is out! Get Ubuntu VMs on demand on your Linux, Windows or
  Mac. Supports cloud-init for fast, local, cloud devops simulation.
    https://multipass.run/
183 packages can be updated.
106 updates are security updates.
Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$
```

### **TUGAS TAMBAHAN**

1.

```
💤 via@via-server: ~
                                                                         П
                                                                               ×
 System load: 0.12
                                                         163
                                   Processes:
 Usage of /: 20.9% of 19.56GB
                                  Users logged in:
 Memory usage: 26%
                                   IP address for ens33: 192.168.116.129
  Swap usage: 0%
 * Multipass 1.0 is out! Get Ubuntu VMs on demand on your Linux, Windows or
  Mac. Supports cloud-init for fast, local, cloud devops simulation.
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http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
```

### Hasil = tidak ada

```
via@via-server: ~
                                                                        П
                                                                              ×
  Usage of /: 20.9% of 19.56GB
                                  Users logged in:
                                   IP address for ens33: 192.168.116.129
 Memory usage: 26%
 Swap usage: 0%
 * Multipass 1.0 is out! Get Ubuntu VMs on demand on your Linux, Windows or
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    https://multipass.run/
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http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
```

Hasil = tidak ada

```
🗗 via@via-server: ~
                                                                          П
                                                                               ×
 * Multipass 1.0 is out! Get Ubuntu VMs on demand on your Linux, Windows or
  Mac. Supports cloud-init for fast, local, cloud devops simulation.
     https://multipass.run/
183 packages can be updated.
106 updates are security updates.
Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -l
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$
```

```
via@via-server: ~
                                                                         ×
  Mac. Supports cloud-init for fast, local, cloud devops simulation.
    https://multipass.run/
183 packages can be updated.
106 updates are security updates.
Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -1
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$ cp -r pertemuan-2 pertemuan-1
via@via-server:~$
```

```
П
 🗗 via@via-server: ~
                                                                                ×
     https://multipass.run/
183 packages can be updated.
106 updates are security updates.
Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -l
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$ cp -r pertemuan-2 pertemuan-1
via@via-server:~$ ls
via@via-server:~$
```

### Hasil =

```
🚅 via@via-server: ~
                                                                          П
                                                                                ×
183 packages can be updated.
106 updates are security updates.
Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -l
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$ cp -r pertemuan-2 pertemuan-1
via@via-server:~$ ls
via@via-server:~$ mv pertemuan-2 "pertemuan2 LAMPP"
via@via-server:~$
```

Hasil = tidak ada

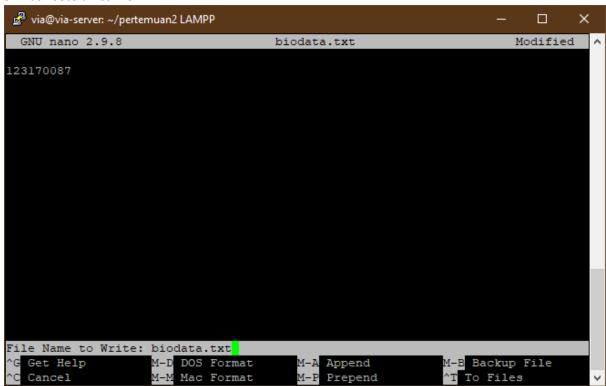
```
П
 🗗 via@via-server: ~
                                                                               ×
106 updates are security updates.
Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -1
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$ cp -r pertemuan-2 pertemuan-1
via@via-server:~$ ls
pertemuan-1 pertemuan-2
via@via-server:~$ mv pertemuan-2 "pertemuan2 LAMPP"
via@via-server:~$ ls
via@via-server:~$
```

### Hasil =

```
🚅 via@via-server: ~
                                                                          П
                                                                                ×
Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
http://www.ubuntu.com/releaseendoflife
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -1
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$ cp -r pertemuan-2 pertemuan-1
via@via-server:~$ ls
pertemuan-1 pertemuan-2
via@via-server:~$ mv pertemuan-2 "pertemuan2 LAMPP"
via@via-server:~$ ls
via@via-server:~$ cd"pertemuan 2
```

Hasil =

### 9. hasil setelah ctrl+o



### Ctrl+x

```
🗗 via@via-server: ~/pertemuan2 LAMPP
                                                                          П
                                                                                X
Selamat Datang
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -l
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$ cp -r pertemuan-2 pertemuan-1
via@via-server:~$ ls
via@via-server:~$ mv pertemuan-2 "pertemuan2 LAMPP"
via@via-server:~$ ls
via@via-server:~$ cd"pertemuan 2
> nano biodata.txt
> 123170087
> exit
via@via-server:~$ cd "pertemuan2 LAMPP"/
via@via-server:~/pertemuan2 LAMPP$ nano biodata.txt
via@via-server:~/pertemuan2 LAMPP$
```

```
🗗 via@via-server: ~/pertemuan2 LAMPP
                                                                           \Box
                                                                                 ×
Last login: Fri Feb 14 02:51:32 2020
via@via-server:~$ ls
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -1
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$ cp -r pertemuan-2 pertemuan-1
via@via-server:~$ ls
pertemuan-1 pertemuan-2
via@via-server:~$ mv pertemuan-2 "pertemuan2 LAMPP"
via@via-server:~$ ls
via@via-server:~$ cd"pertemuan 2
> nano biodata.txt
> 123170087
> exit
via@via-server:~$ cd "pertemuan2 LAMPP"/
via@via-server:~/pertemuan2 LAMPP$ nano biodata.txt
via@via-server:~/pertemuan2 LAMPP$ 1s -1
total 4
-rw-rw-r-- 1 via via 10 Feb 14 03:11 biodata.txt
via@via-server:~/pertemuan2 LAMPP$
```

Hasil = penginputan nilai nim

11.

```
П
                                                                                ×
💋 via@via-server: ~/pertemuan2 LAMPP
via@via-server:~$ mkdir pertemuan-2
via@via-server:~$ ls -l
total 4
drwxrwxr-x 2 via via 4096 Feb 14 02:59 pertemuan-2
via@via-server:~$ cp -r pertemuan-2 pertemuan-1
via@via-server:~$ ls
via@via-server:~$ mv pertemuan-2 "pertemuan2 LAMPP"
via@via-server:~$ ls
pertemuan-1 'pertemuan2 LAMPP'
via@via-server:~$ cd"pertemuan 2
> nano biodata.txt
> 123170087
> exit
> ^C
via@via-server:~$ cd "pertemuan2 LAMPP"/
via@via-server:~/pertemuan2 LAMPP$ nano biodata.txt
via@via-server:~/pertemuan2 LAMPP$ 1s -1
total 4
-rw-rw-r-- 1 via via 10 Feb 14 03:11 biodata.txt
via@via-server:~/pertemuan2 LAMPP$ cat biodata.txt
123170087
via@via-server:~/pertemuan2 LAMPP$
```

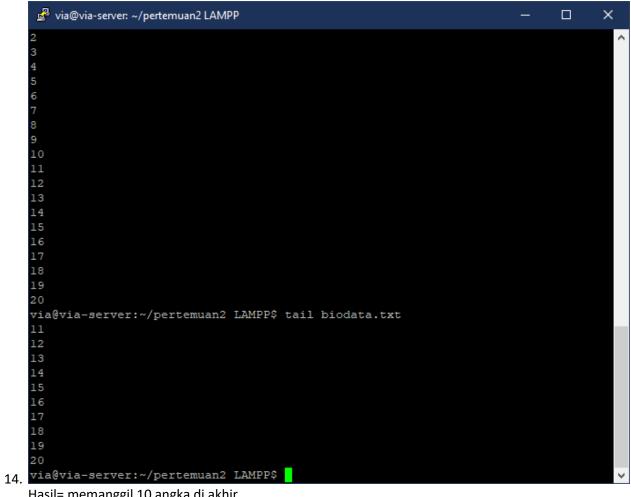
Hasil= pemanggilan nilai nim yang telah diinputkan sebelumnya

# 12. mengetikkan nim

13. Penginputan angka

```
r via@via-server:~/pertemuan2 LAMPP$ nano biodata.txt
via@via-server:~/pertemuan2 LAMPP$ ls -1
total 4
-rw-rw-r-- 1 via via 10 Feb 14 03:11 biodata.txt
via@via-server:~/pertemuan2 LAMPP$ cat biodata.txt
123170087
via@via-server:~/pertemuan2 LAMPP$ nano biodata.txt
via@via-server:~/pertemuan2 LAMPP$ cat biodata.txt
123170087
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
via@via-server:~/pertemuan2 LAMPP$
```

Hasil = memanggil semua angka yang telah di inputkan



Hasil= memanggil 10 angka di akhir