

Praktikum TCC Pertemuan 2

Pengenalan VMware Workstation dan Linux OS

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Conceptual Application

Hardware Fisik, OS, VMWare, Virtual OS

VMWare : Digunakan untuk virtualisasi Sistem Operasi

Swapping : Digunakan ketika tidak memiliki RAM yang cukup untuk menjalankan VM.

Menciptakan virtualisasi RAM. Preferences → Memory

Memperbaiki konflik port pada xampp, secara default hasil instalasi VMware akan mengaktifkan shared VM port 443, untuk menyelesaikan masalah ini maka buka preferences → Shared VMs → Disable Sharing

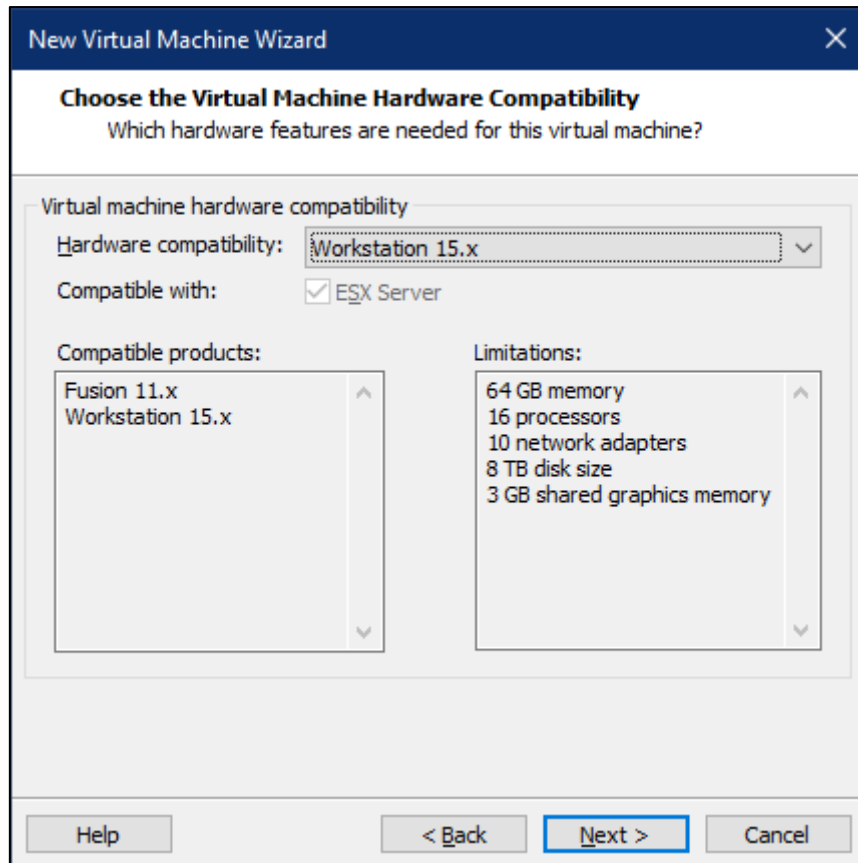
Cara menggunakan VMware

Siapkan master OSnya terlebih dahulu

Create a new VM

Pilih custom untuk mengatur VM secara manual





Hardware compatibility disesuaikan dengan sistem operasi yang digunakan. Bila menggunakan sistem operasi windows XP maka digunakan opsi compatibility Workstation 10.x kebawah

New Virtual Machine Wizard

Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:

DVD RW Drive (E:)

☒ Installer disc image file (iso):

C:\ISO Library\ubuntu-18.10-live-server-amd64.iso

Browse...

☐ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

Help

< Back

Next >

Cancel

New Virtual Machine Wizard

Easy Install Information

This is used to install Ubuntu 64-bit.

Personalize Linux

Full name:

Revanto Alif Nawasta

User name:

FDutchman

Password:

••••••••

Confirm:

••••••••

Help

< Back

Next >

Cancel

New Virtual Machine Wizard

Memory for the Virtual Machine

How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

64 GB
32 GB
16 GB
8 GB
4 GB
2 GB
1 GB
512 MB
256 MB
128 MB
64 MB
32 MB
16 MB
8 MB
4 MB

Memory for this virtual machine: 1024 MB

Maximum recommended memory: 2 GB

Recommended memory: 2 GB

Guest OS recommended minimum: 1 GB

Help < Back Next > Cancel

Pilih network connection NAT

New Virtual Machine Wizard

Network Type

What type of network do you want to add?

Network connection

☐ Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

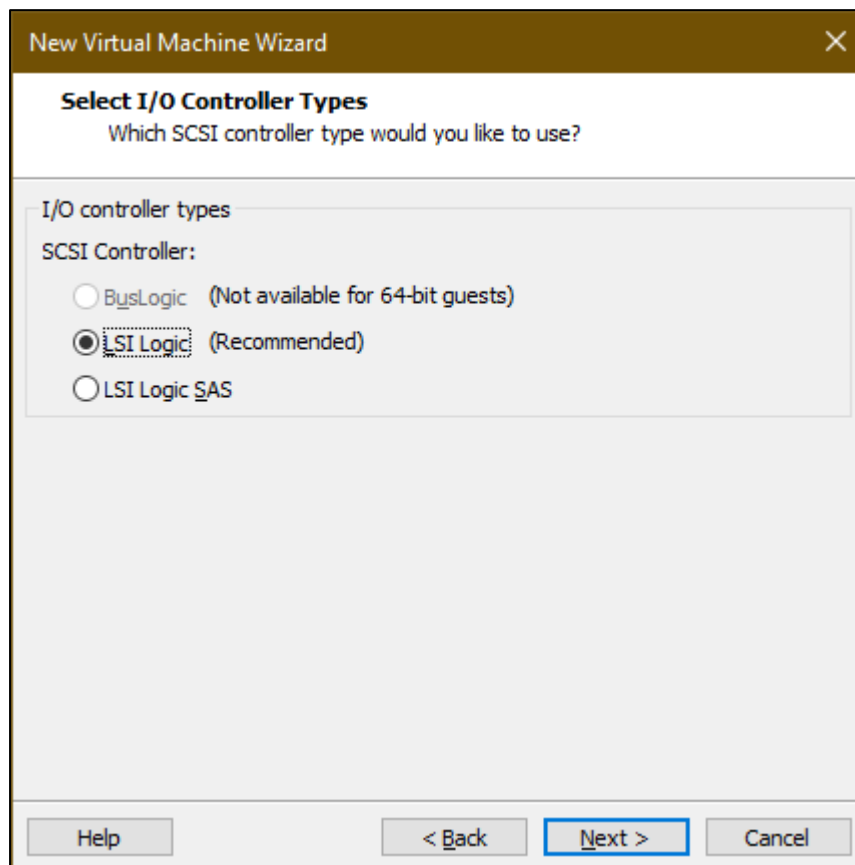
☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.

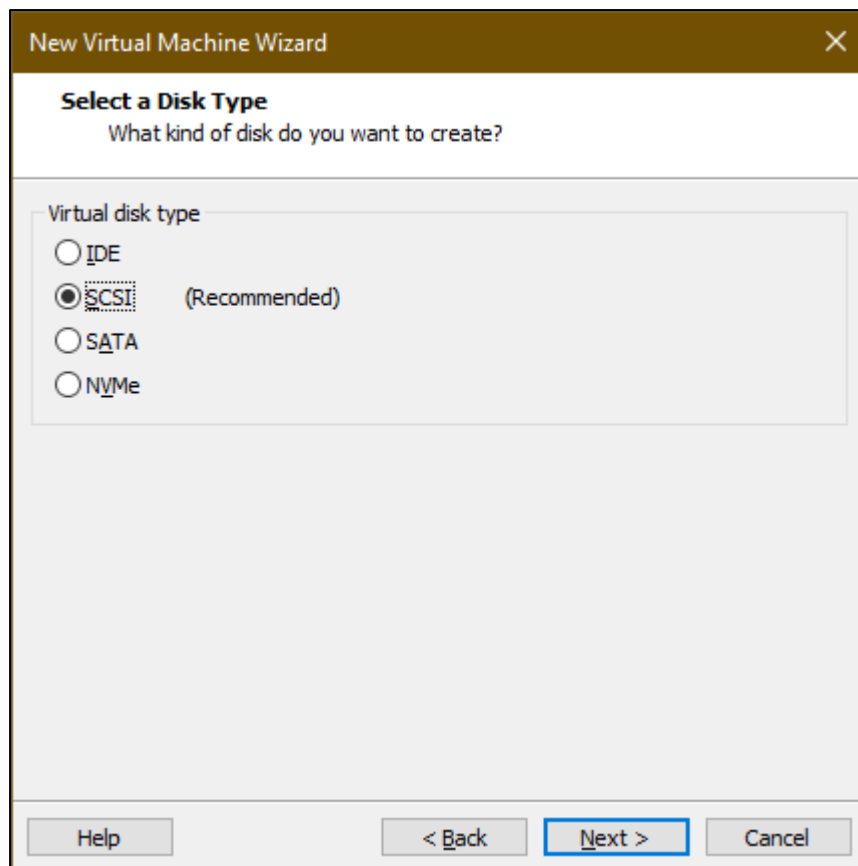
☐ Do not use a network connection

Help < Back Next > Cancel

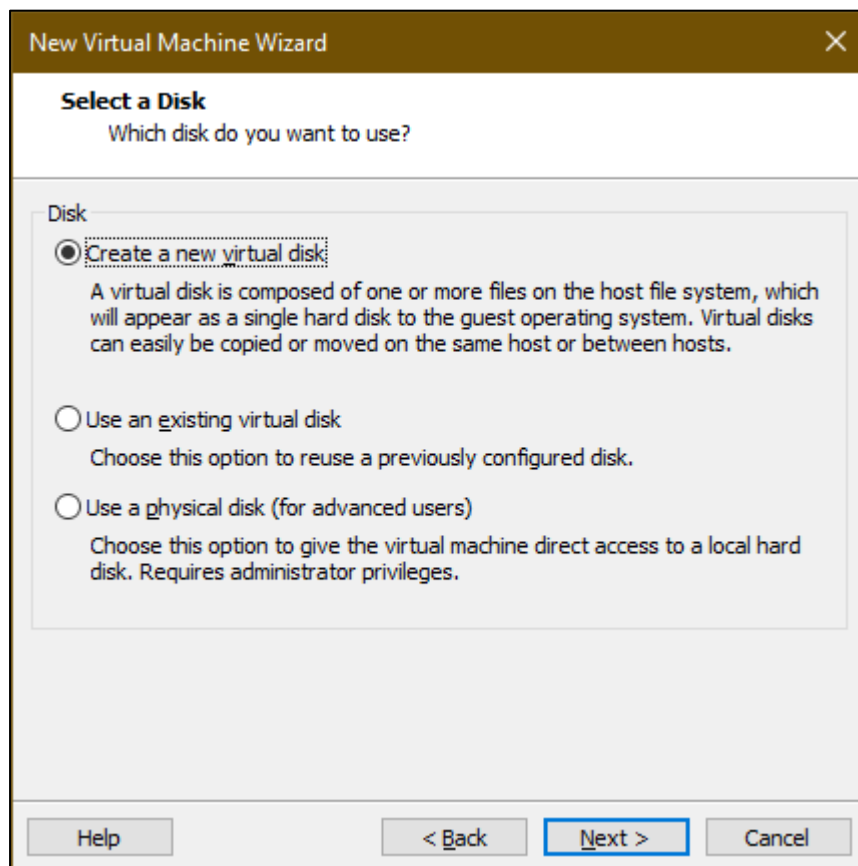
Pilih LSI Logic (Recommended)



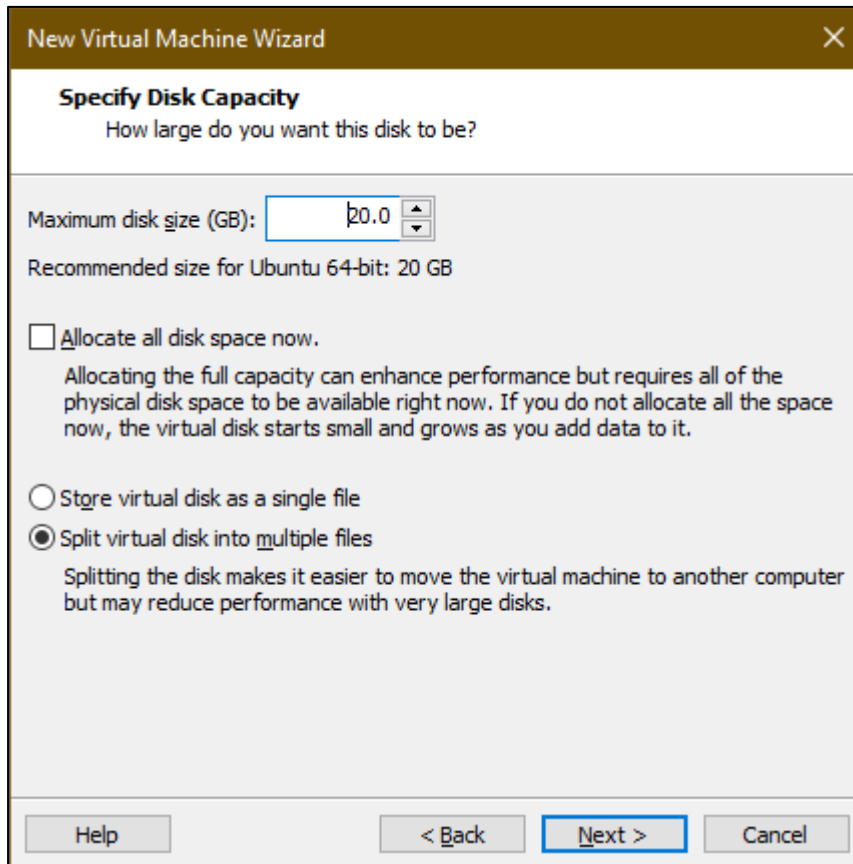
Pilih SCSI



Pilih Create a new virtual disk jika belum pernah membuat sebelumnya



Atur maksimal penyimpanan yang mau digunakan, jika menceklis allocate all disk space now maka



The image shows a screenshot of the 'New Virtual Machine Wizard' dialog box, specifically the 'Specify Disk Capacity' step. The title bar reads 'New Virtual Machine Wizard' with a close button (X) on the right. The main heading is 'Specify Disk Capacity' followed by the question 'How large do you want this disk to be?'. Below this, there is a text input field for 'Maximum disk size (GB):' with the value '20.0' and a spinner control. A note states 'Recommended size for Ubuntu 64-bit: 20 GB'. There are two radio button options: 'Allocate all disk space now.' (which is unchecked) and 'Split virtual disk into multiple files' (which is selected). A descriptive text for the selected option says: 'Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.' At the bottom, there are four buttons: 'Help', '< Back', 'Next >' (which is highlighted with a blue border), and 'Cancel'.

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB):

Recommended size for Ubuntu 64-bit: 20 GB

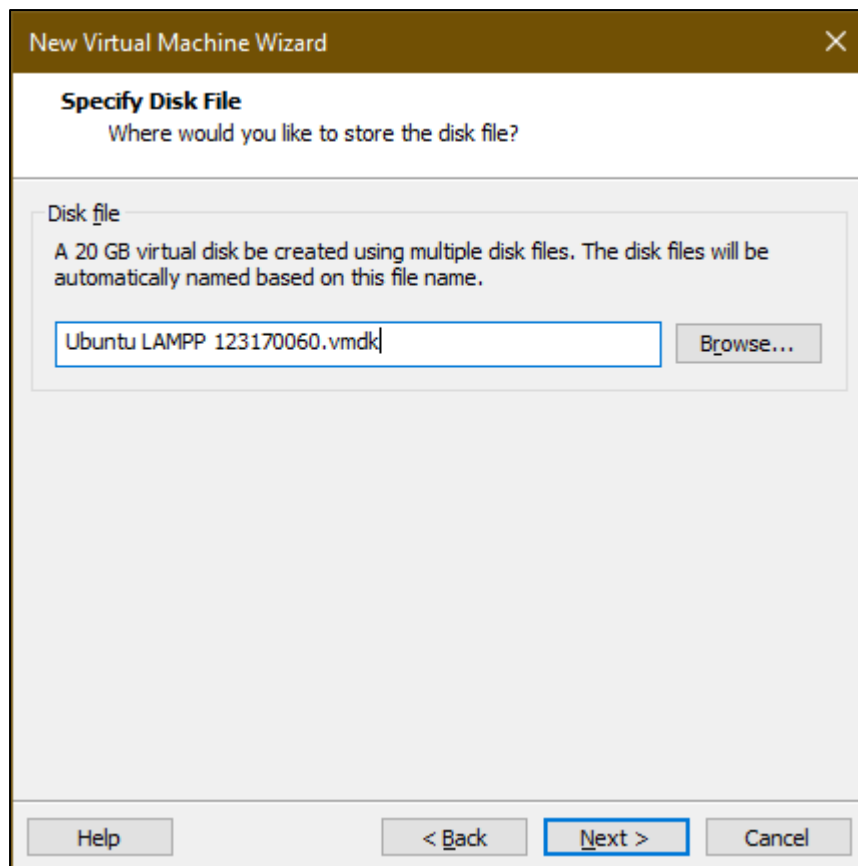
☐ Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☐ Store virtual disk as a single file

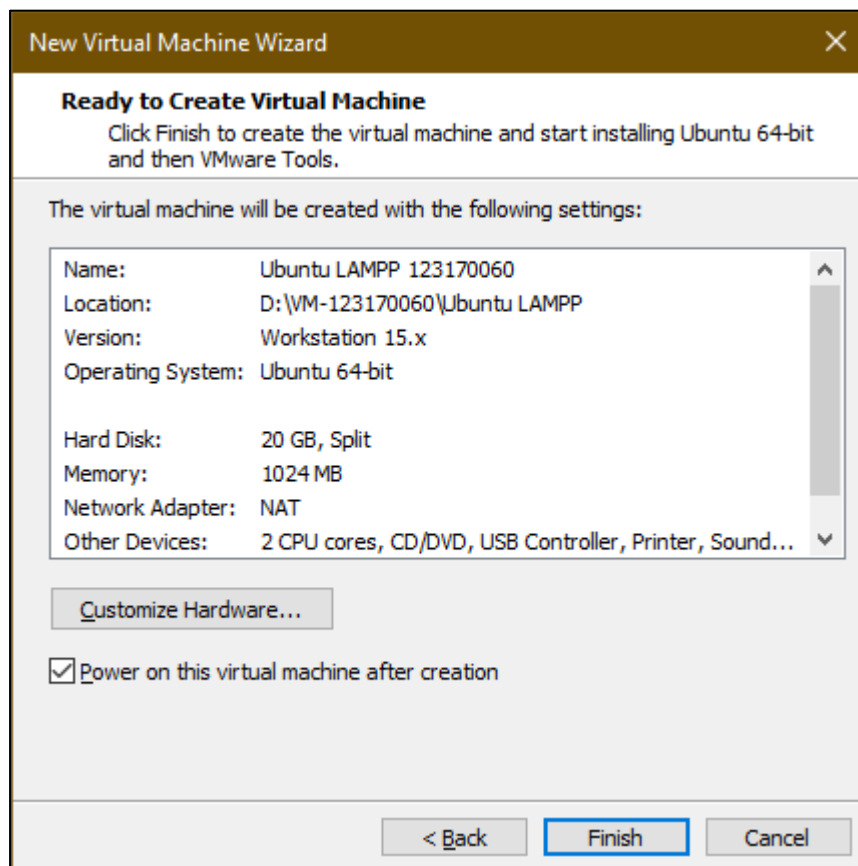
☒ Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

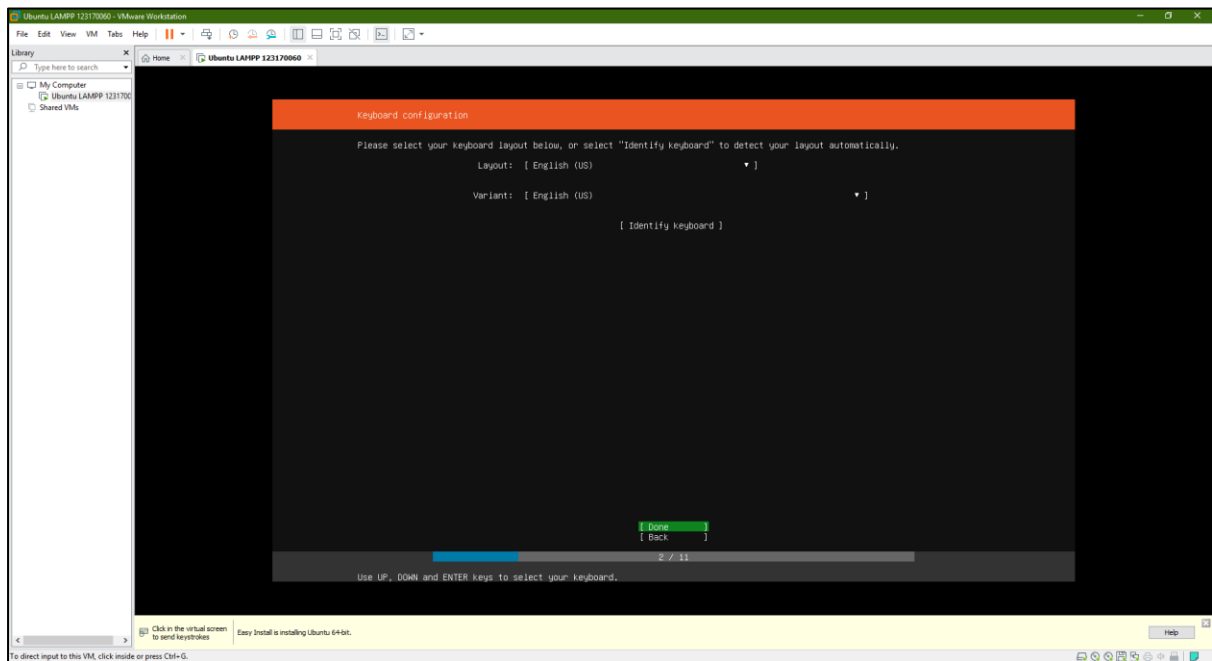
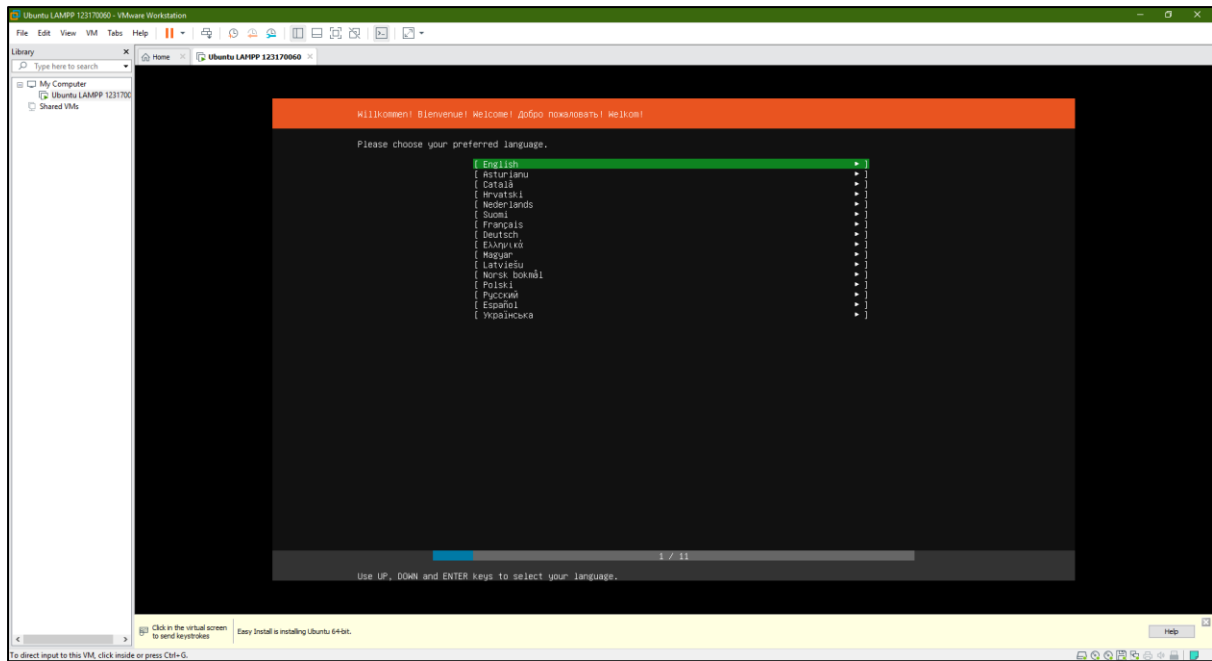
Help < Back Next > Cancel

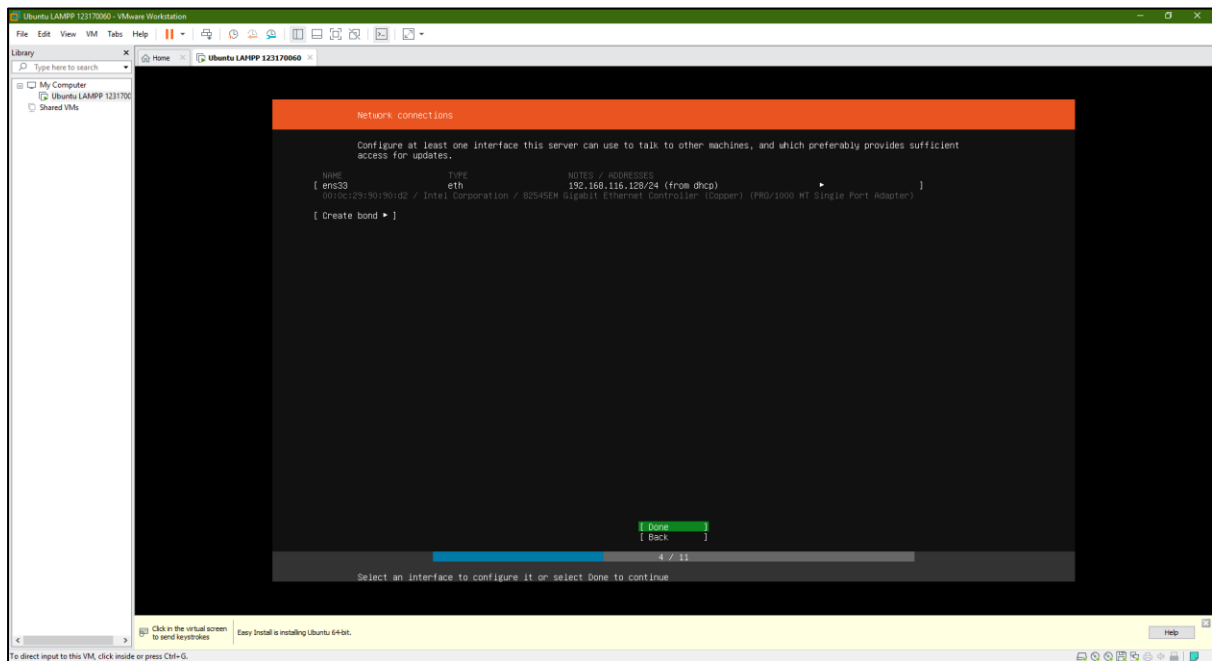
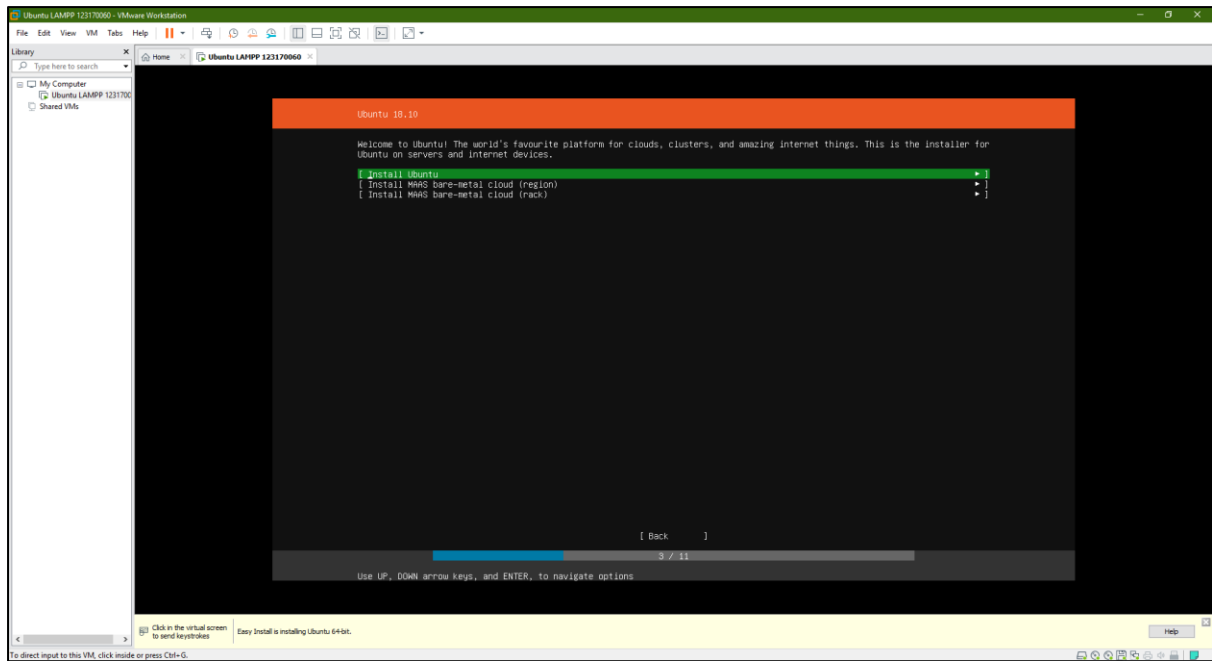
Pilih

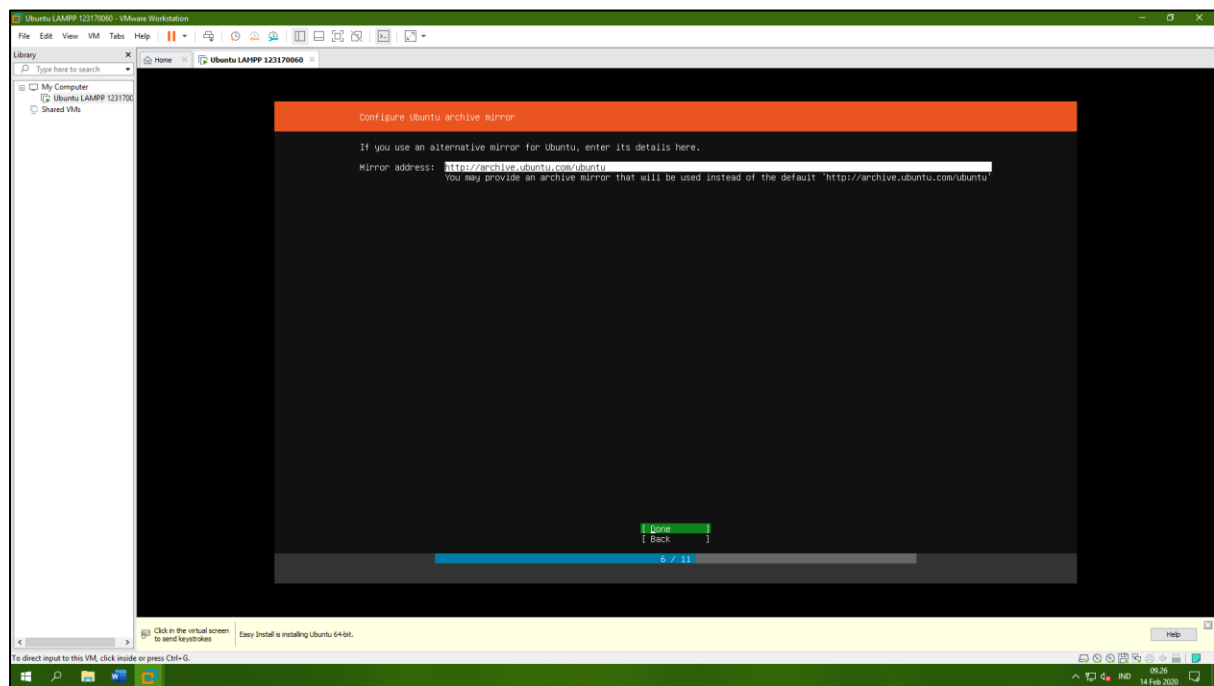
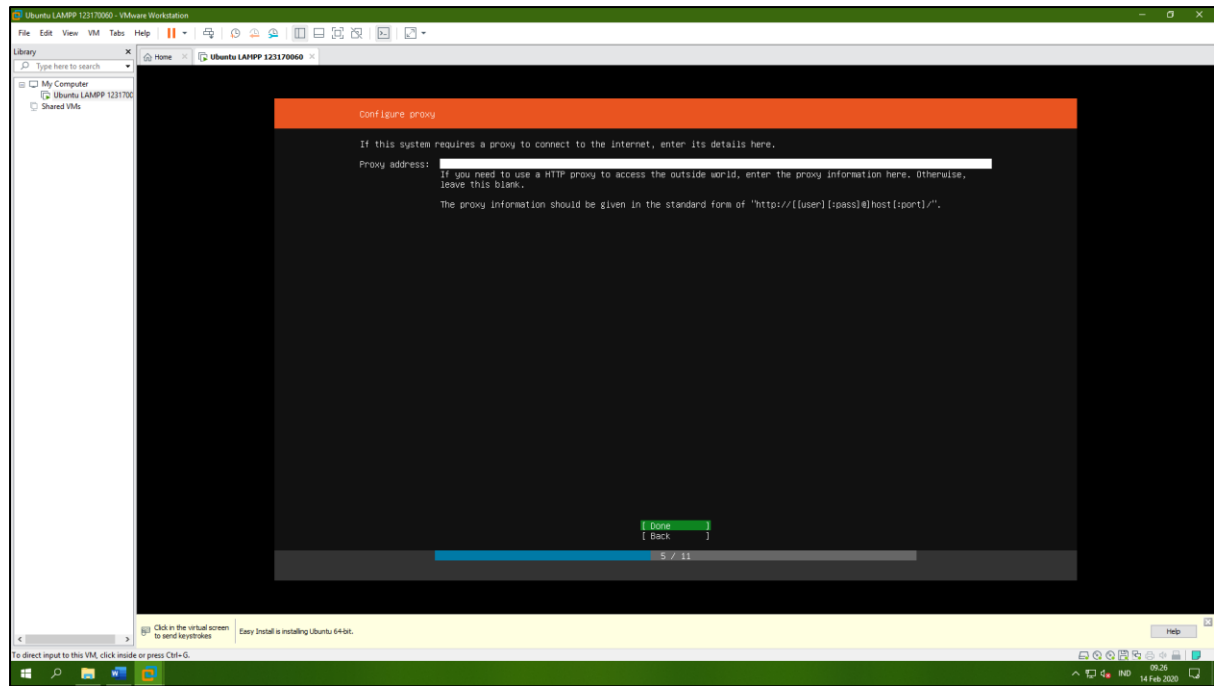


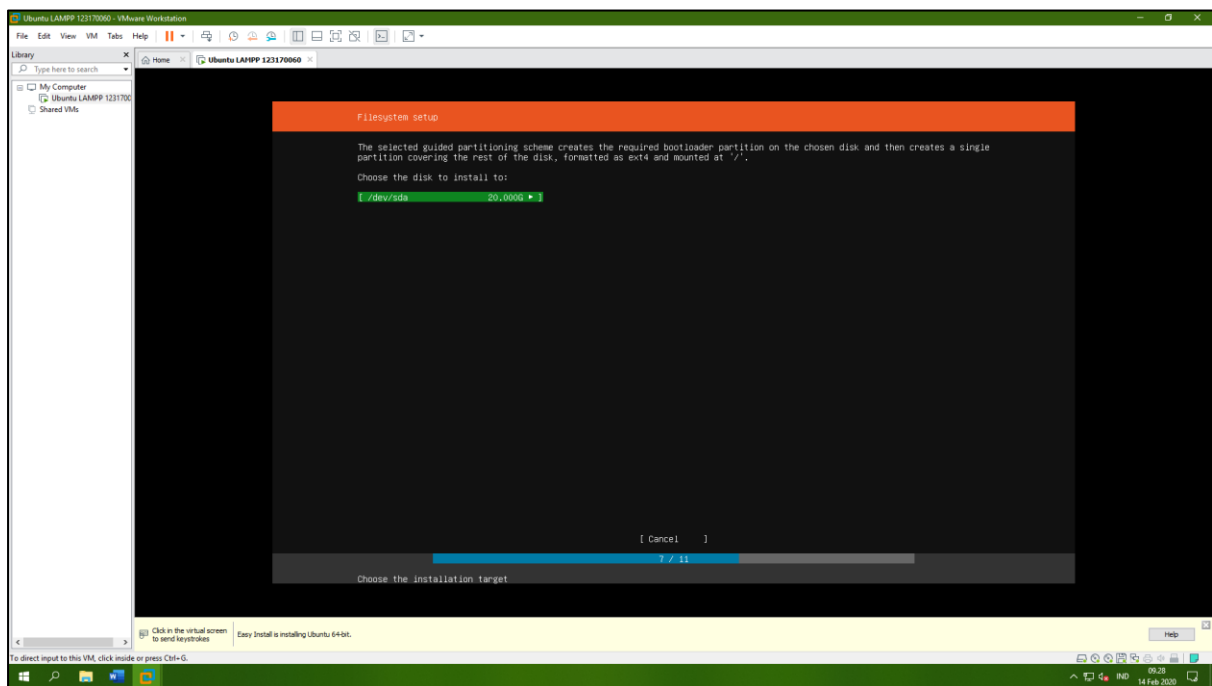
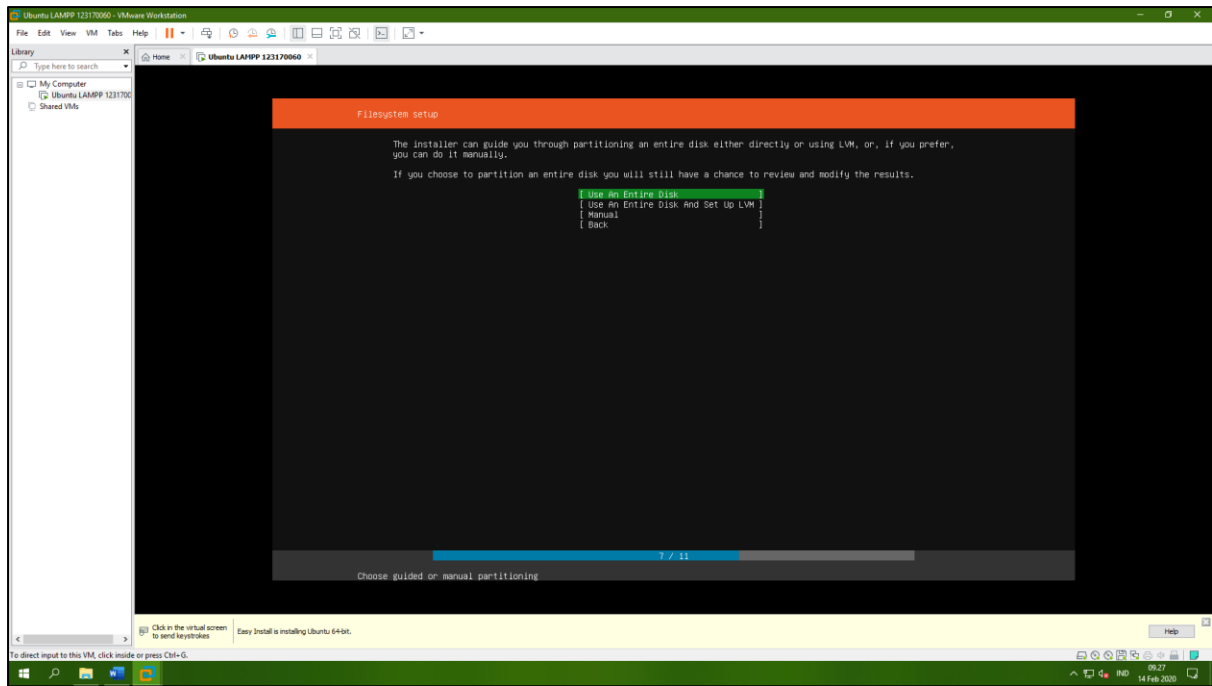
Pilih

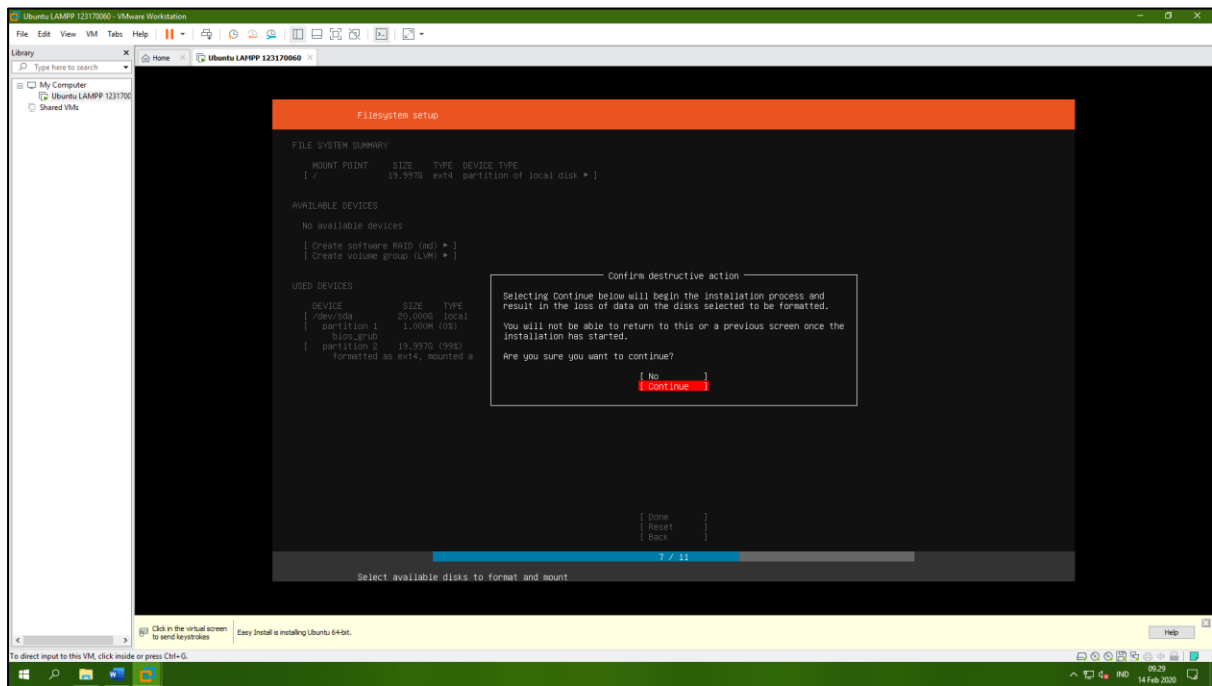
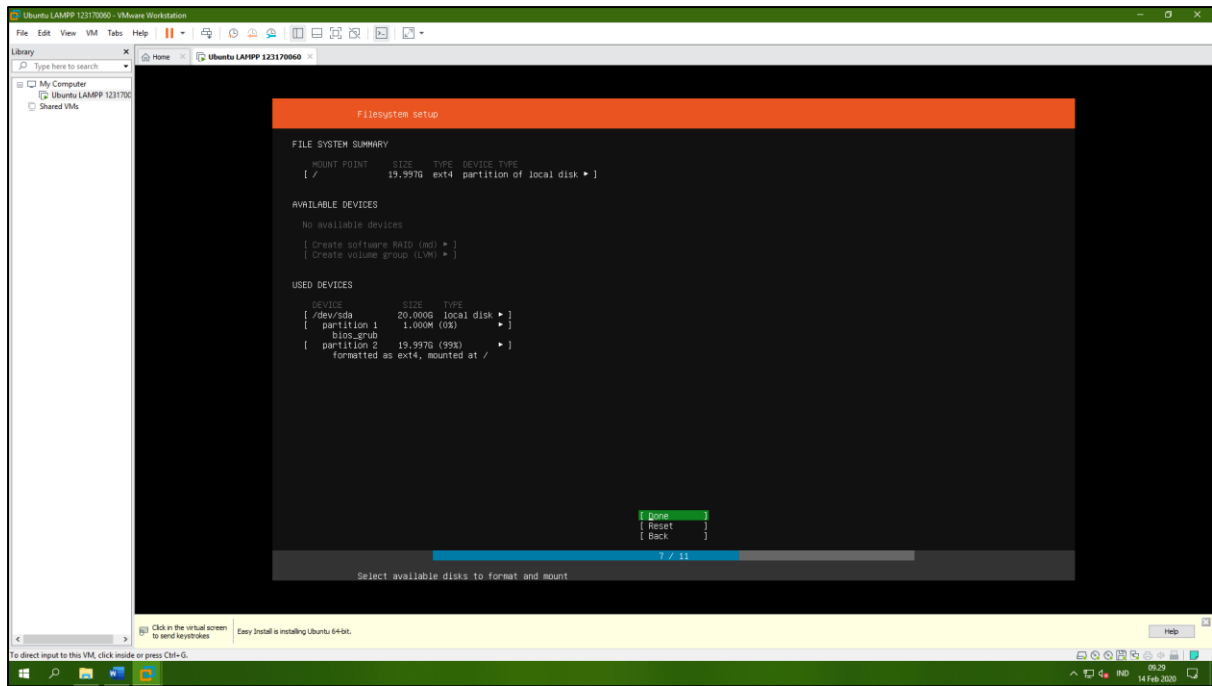


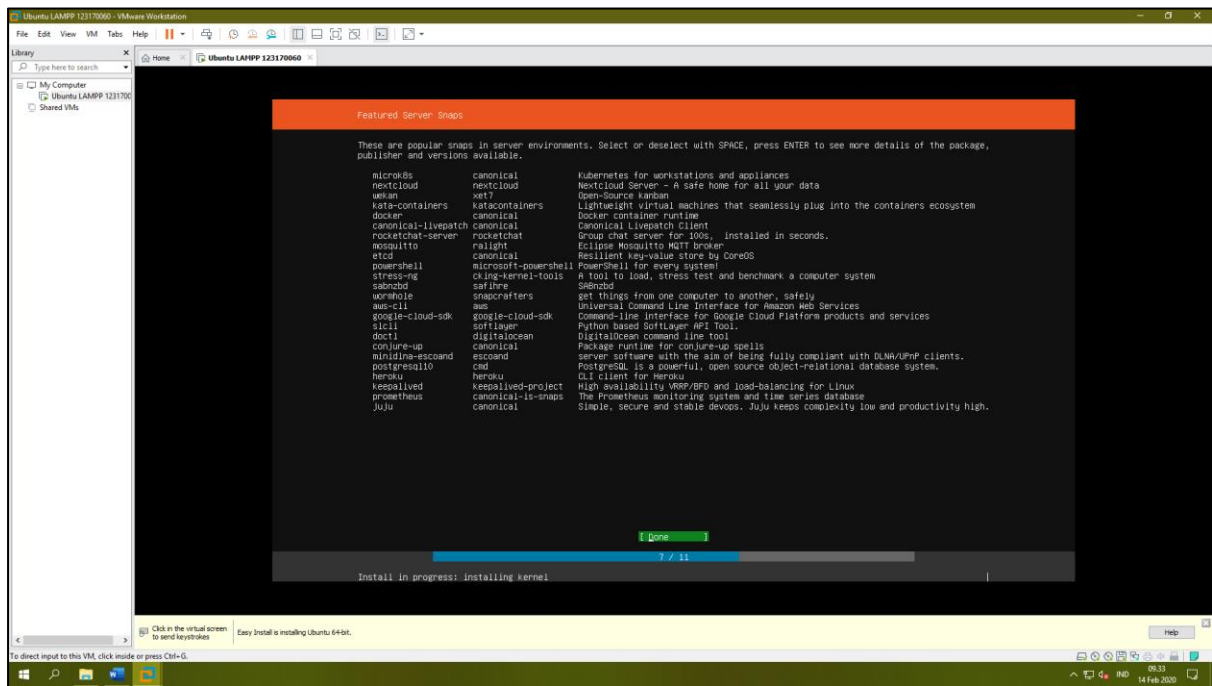
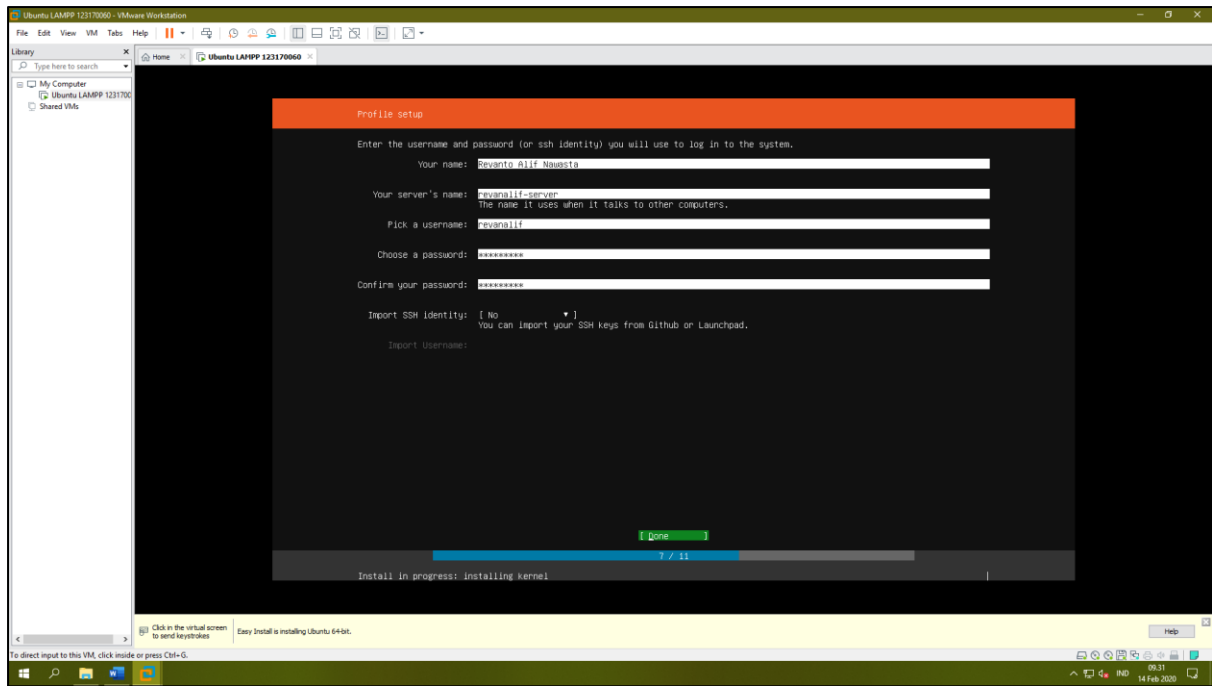


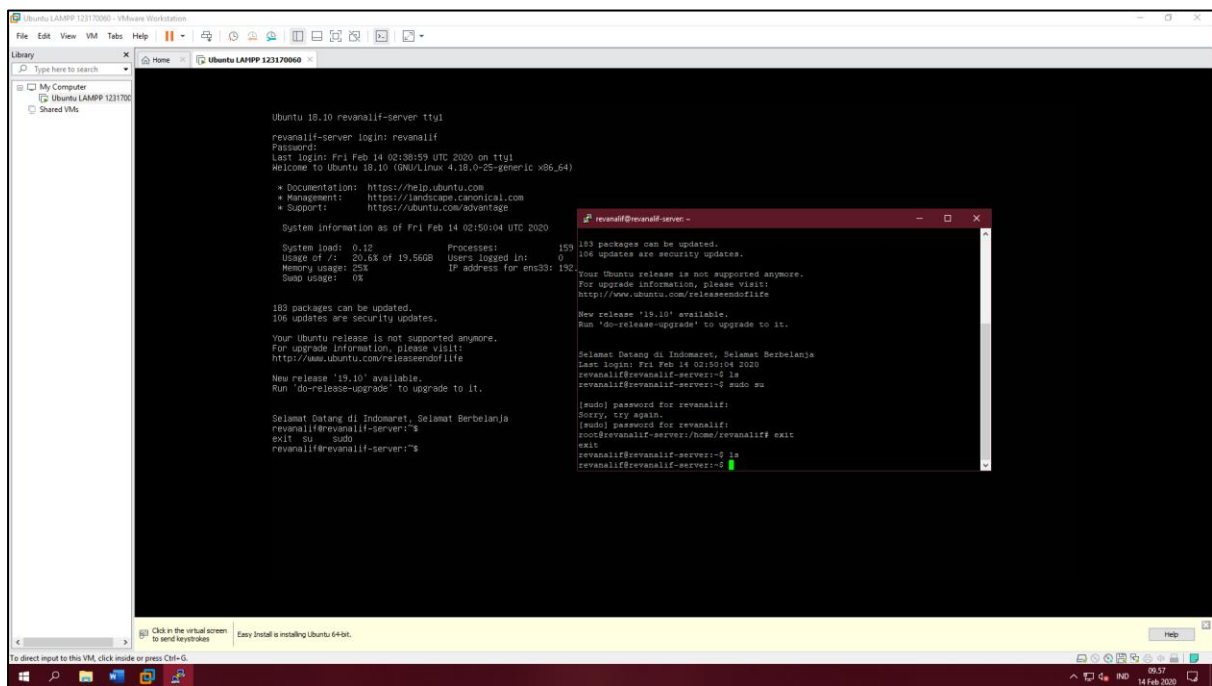
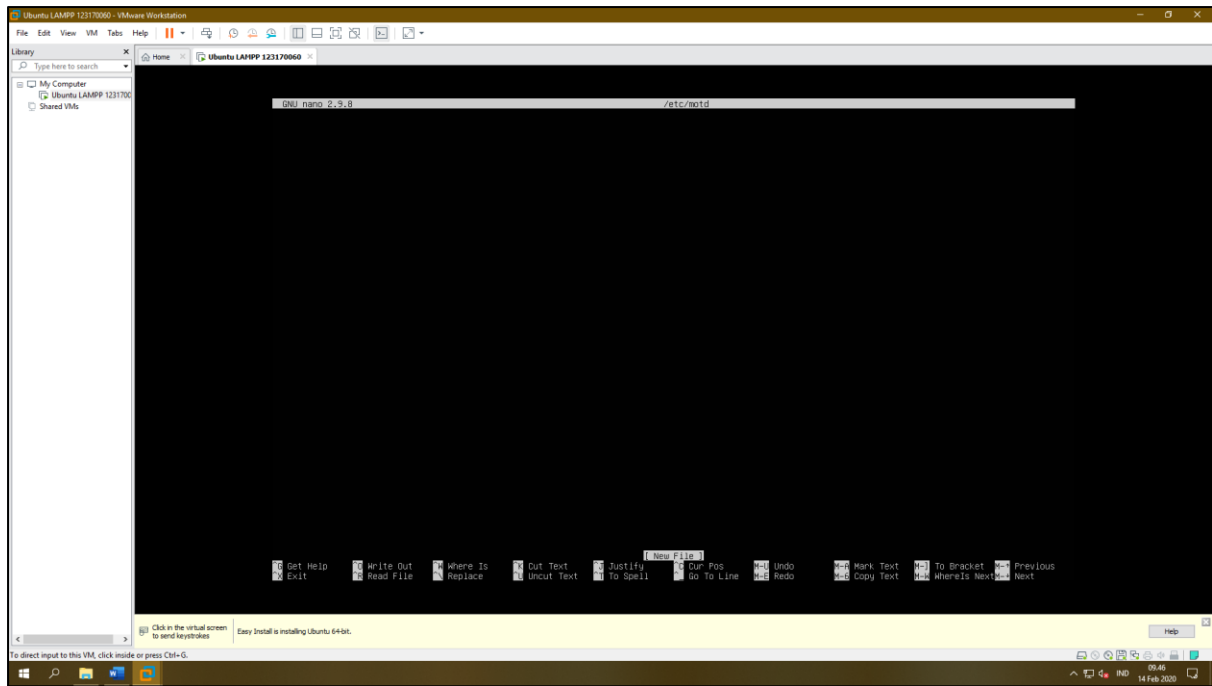






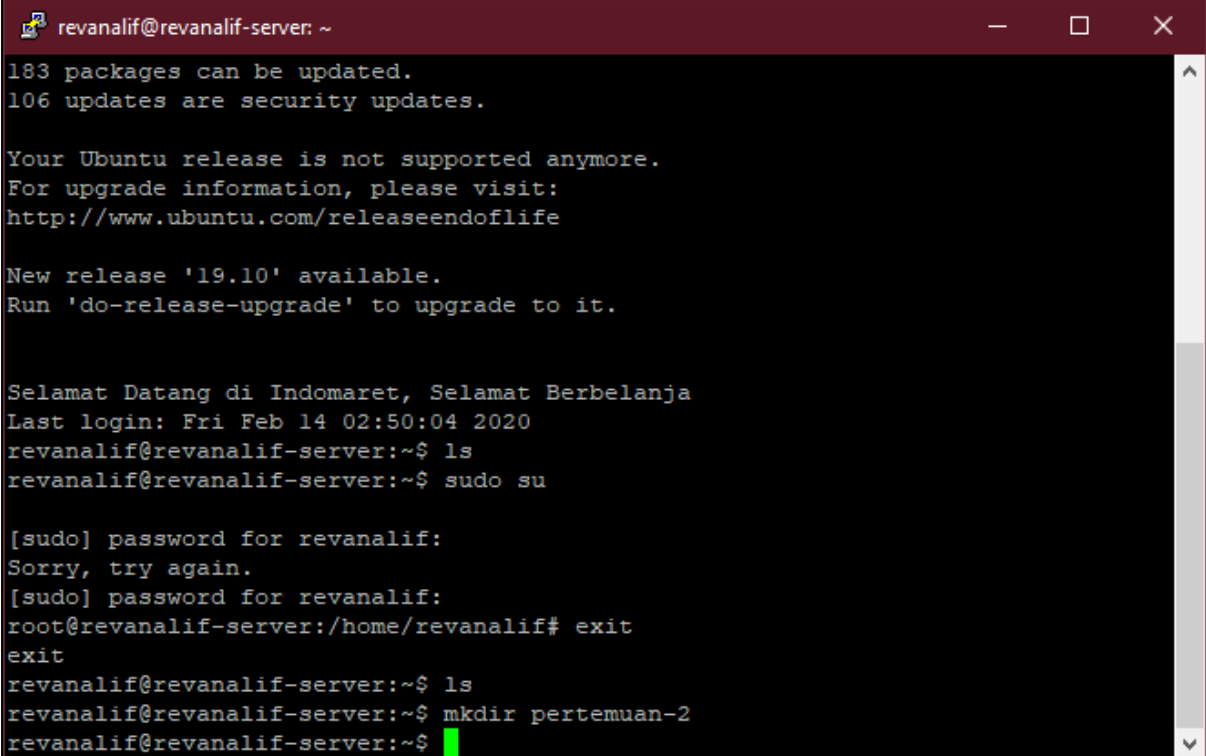






Tugas Eksplorasi Command Dasar Pada UBUNTU OS

1. `ls` → berfungsi untuk menampilkan list file yang ada di direktori.
2. `Mkdir pertemuan-2` → berfungsi untuk membuat direktori baru yaitu direktori dengan nama pertemuan-2

A terminal window titled 'revanalif@revanalif-server: ~' with standard window controls. The terminal output shows system update notifications, a login message for 'revanalif' at 'Fri Feb 14 02:50:04 2020', and the execution of 'ls' and 'sudo su' commands. The user attempts to enter a password for 'revanalif' but fails. They then type 'exit' to return to the regular user prompt. Finally, they run 'ls' and 'mkdir pertemuan-2', with the latter command being followed by a green cursor.

```
revanalif@revanalif-server: ~  
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 di Indomaret, Selamat Berbelanja  
Last login: Fri Feb 14 02:50:04 2020  
revanalif@revanalif-server:~$ ls  
revanalif@revanalif-server:~$ sudo su  
  
[sudo] password for revanalif:  
Sorry, try again.  
[sudo] password for revanalif:  
root@revanalif-server:/home/revanalif# exit  
exit  
revanalif@revanalif-server:~$ ls  
revanalif@revanalif-server:~$ mkdir pertemuan-2  
revanalif@revanalif-server:~$
```

3. `Ls -l` → berfungsi untuk menampilkan semua file yang ada pada direktori saat ini beserta dengan keterangan file.

```
revanalif@revanalif-server: ~
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 di Indomaret, Selamat Berbelanja
Last login: Fri Feb 14 02:50:04 2020
revanalif@revanalif-server:~$ ls
revanalif@revanalif-server:~$ sudo su

[sudo] password for revanalif:
Sorry, try again.
[sudo] password for revanalif:
root@revanalif-server:/home/revanalif# exit
exit
revanalif@revanalif-server:~$ ls
revanalif@revanalif-server:~$ mkdir pertemuan-2
revanalif@revanalif-server:~$ ls -l
total 4
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:58 pertemuan-2
revanalif@revanalif-server:~$
```

4. `Cp -r pertemuan-2 pertemuan-1` → berfungsi untuk mengcopy pertemuan-2 dan atribut -r berfungsi untuk mengganti nama pertemuan-2 (hasil copyan) dengan nama pertemuan-1

```
revanalif@revanalif-server: ~
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 di Indomaret, Selamat Berbelanja
Last login: Fri Feb 14 02:50:04 2020
revanalif@revanalif-server:~$ ls
revanalif@revanalif-server:~$ sudo su

[sudo] password for revanalif:
Sorry, try again.
[sudo] password for revanalif:
root@revanalif-server:/home/revanalif# exit
exit
revanalif@revanalif-server:~$ ls
revanalif@revanalif-server:~$ mkdir pertemuan-2
revanalif@revanalif-server:~$ ls -l
total 4
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:58 pertemuan-2
revanalif@revanalif-server:~$ cp -r pertemuan-2 pertemuan-1
revanalif@revanalif-server:~$
```

```
revanalif@revanalif-server: ~  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Datang di Indomaret, Selamat Berbelanja  
Last login: Fri Feb 14 02:50:04 2020  
revanalif@revanalif-server:~$ ls  
revanalif@revanalif-server:~$ sudo su  
  
[sudo] password for revanalif:  
Sorry, try again.  
[sudo] password for revanalif:  
root@revanalif-server:/home/revanalif# exit  
exit  
revanalif@revanalif-server:~$ ls  
revanalif@revanalif-server:~$ mkdir pertemuan-2  
revanalif@revanalif-server:~$ ls -l  
total 4  
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:58 pertemuan-2  
revanalif@revanalif-server:~$ cp -r pertemuan-2 pertemuan-1  
revanalif@revanalif-server:~$ ls  
pertemuan-1 pertemuan-2  
revanalif@revanalif-server:~$
```

5. Mv pertemuan-2 → berfungsi untuk mengubah pertemuan-2 dengan “pertemuan 2 LAMPP”

```
revanalif@revanalif-server: ~  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
revanalif@revanalif-server:~$ tail biodata.txt  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
revanalif@revanalif-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
revanalif@revanalif-server:~$
```

6. Cd "pertemuan 2 (tab) → tab berfungsi untuk melengkapi dengan otomatis, cd berfungsi untuk mengganti direktori

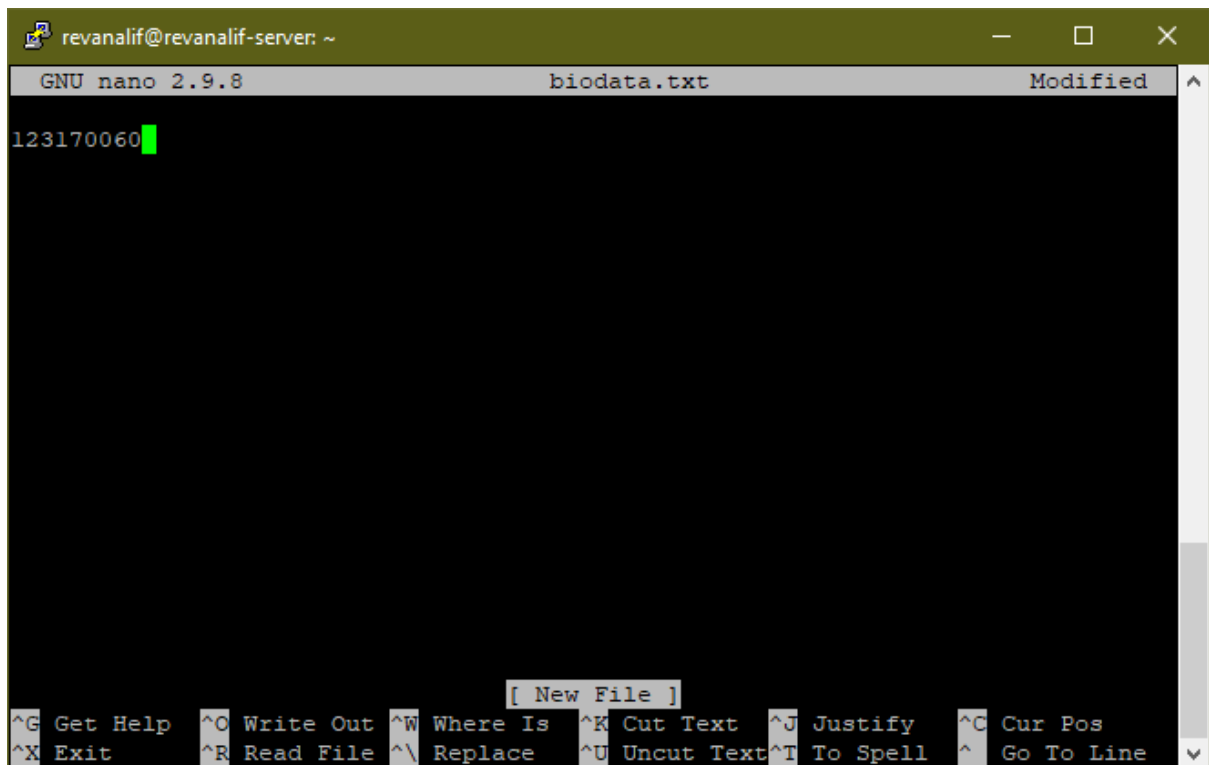
```
revanalif@revanalif-server: ~
New release '19.10' available.
Run 'do-release-upgrade' to upgrade to it.

Selamat Datang di Indomaret, Selamat Berbelanja
Last login: Fri Feb 14 02:50:04 2020
revanalif@revanalif-server:~$ ls
revanalif@revanalif-server:~$ sudo su

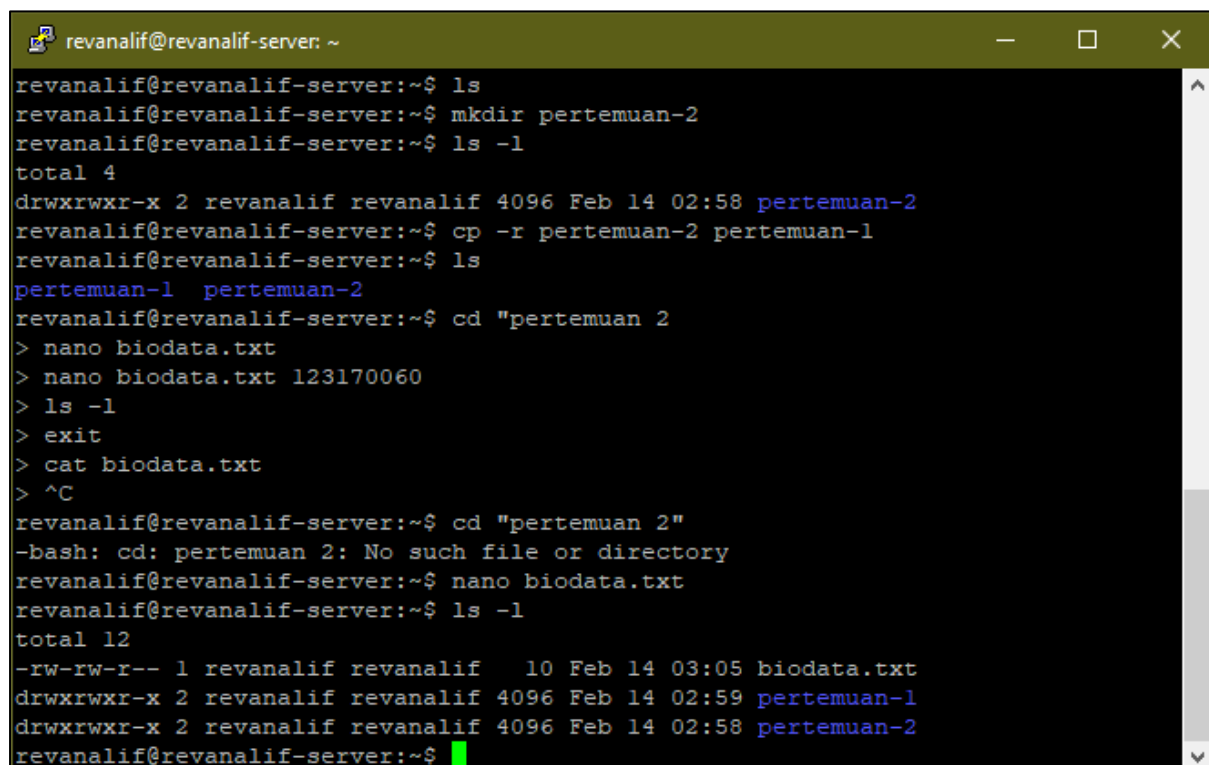
[sudo] password for revanalif:
Sorry, try again.
[sudo] password for revanalif:
root@revanalif-server:/home/revanalif# exit
exit
revanalif@revanalif-server:~$ ls
revanalif@revanalif-server:~$ mkdir pertemuan-2
revanalif@revanalif-server:~$ ls -l
total 4
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:58 pertemuan-2
revanalif@revanalif-server:~$ cp -r pertemuan-2 pertemuan-1
revanalif@revanalif-server:~$ ls
pertemuan-1  pertemuan-2
revanalif@revanalif-server:~$ cd "pertemuan 2
>
```

```
revanalif@revanalif-server: ~/pertemuan 2 LAMPP
14
15
16
17
18
19
20
revanalif@revanalif-server:~$ tail biodata.txt
11
12
13
14
15
16
17
18
19
20
revanalif@revanalif-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
revanalif@revanalif-server:~$ ls
biodata.txt  pertemuan-1  'pertemuan 2 LAMPP'
revanalif@revanalif-server:~$ cd
revanalif@revanalif-server:~$ cd "pertemuan 2 LAMPP"/
revanalif@revanalif-server:~/pertemuan 2 LAMPP$
```

7. Nano biodata.txt → berfungsi untuk membuka notepad dan membuat file baru dengan nama biodata.txt



```
revanalif@revanalif-server: ~
GNU nano 2.9.8      biodata.txt      Modified
123170060
[ New File ]
^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text ^T To Spell  ^_ Go To Line
```



```
revanalif@revanalif-server: ~$ ls
revanalif@revanalif-server:~$ mkdir pertemuan-2
revanalif@revanalif-server:~$ ls -l
total 4
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:58 pertemuan-2
revanalif@revanalif-server:~$ cp -r pertemuan-2 pertemuan-1
revanalif@revanalif-server:~$ ls
pertemuan-1  pertemuan-2
revanalif@revanalif-server:~$ cd "pertemuan 2"
> nano biodata.txt
> nano biodata.txt 123170060
> ls -l
> exit
> cat biodata.txt
> ^C
revanalif@revanalif-server:~$ cd "pertemuan 2"
-bash: cd: pertemuan 2: No such file or directory
revanalif@revanalif-server:~$ nano biodata.txt
revanalif@revanalif-server:~$ ls -l
total 12
-rw-rw-r-- 1 revanalif revanalif 10 Feb 14 03:05 biodata.txt
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:59 pertemuan-1
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:58 pertemuan-2
revanalif@revanalif-server:~$
```

8. Cat biodata.txt → berfungsi menampilkan isi dari file biodata.txt

```
revanalif@revanalif-server: ~  
revanalif@revanalif-server:~$ ls -l  
total 4  
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:58 pertemuan-2  
revanalif@revanalif-server:~$ cp -r pertemuan-2 pertemuan-1  
revanalif@revanalif-server:~$ ls  
pertemuan-1  pertemuan-2  
revanalif@revanalif-server:~$ cd "pertemuan 2"  
> nano biodata.txt  
> nano biodata.txt 123170060  
> ls -l  
> exit  
> cat biodata.txt  
> ^C  
revanalif@revanalif-server:~$ cd "pertemuan 2"  
-bash: cd: pertemuan 2: No such file or directory  
revanalif@revanalif-server:~$ nano biodata.txt  
revanalif@revanalif-server:~$ ls -l  
total 12  
-rw-rw-r-- 1 revanalif revanalif 10 Feb 14 03:05 biodata.txt  
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:59 pertemuan-1  
drwxrwxr-x 2 revanalif revanalif 4096 Feb 14 02:58 pertemuan-2  
revanalif@revanalif-server:~$ cat biodata.txt  
123170060  
revanalif@revanalif-server:~$
```

```
GNU nano 2.9.8      biodata.txt      Modified  
123170060  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
  
^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos  
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text ^T To Spell  ^_ Go To Line
```

```
revanalif@revanalif-server: ~  
revanalif@revanalif-server:~$ nano biodata.txt  
revanalif@revanalif-server:~$ cat biodata.txt  
123170060  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
revanalif@revanalif-server:~$
```

9. Tail biodata.txt → menampilkan ekor dari biodata

```
revanalif@revanalif-server: ~  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
revanalif@revanalif-server:~$ tail biodata.txt  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
revanalif@revanalif-server:~$
```