Pengenalan VMware Workstation dan Linux OS

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Teknologi Cloud Computing

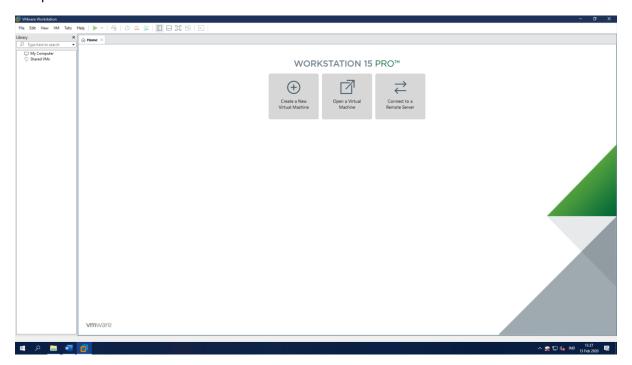
1. Pengenalan VMware Workstation

Virtual OS: Linux OS VM 1, Windows OS VM 2, Linux OS VM 3

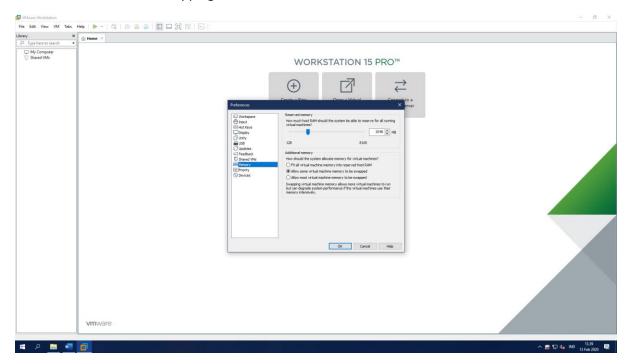
VMware Workstation

- Digunakan untuk virtualisasi sistem operasi.
- Virtualisasi "dalam bahasa komputasi virtualisasi merujuk pada kegiatan untuk menciptakan versi maya, (virtual) dari sesuatu, misalnya hardware, storage, dan resource dari komputer"

Tampilan awal VMware Workstation:

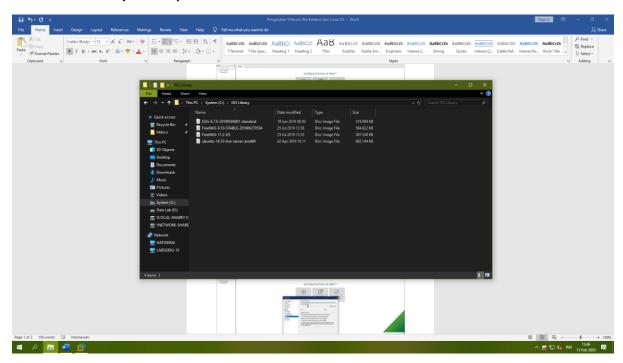


Memanfaatkan fasilitas swapping



Saat kita membuka XAMPP akan eror dan saat eror maka kita kembali ke VMware untuk memperbaiki XAMPP nya. Dan klik shared VMs klik change dan ganti disable di ganti menjadi enable.

2. Linux OS (Ubuntu)



Di cek dulu dalam folder C terus klik ISO library ada apa engga.

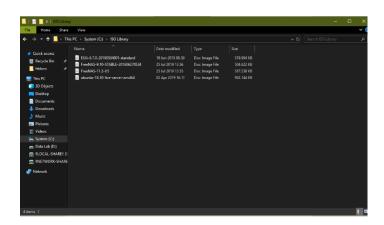
Setelah ada ISO nya kita lanjut pembuatan VM.

Langkah – langkah nya :

1. Linux OS (ubuntu)

Penjelasan Persiapan Ubuntu installer

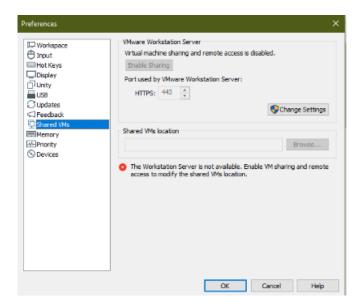
a. Siapkan Boxtable



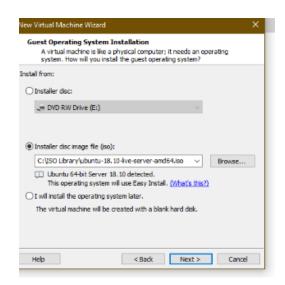
b. Pada vmware work, gunakan menu. Dan pilih custom



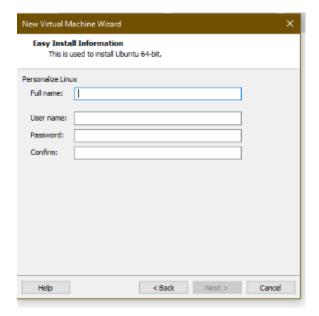
c. Plih kompatibilitas hardware tertinggi untuk sistem operasi VM modern (keluaran terbaru), menggunakan workstation 15.x



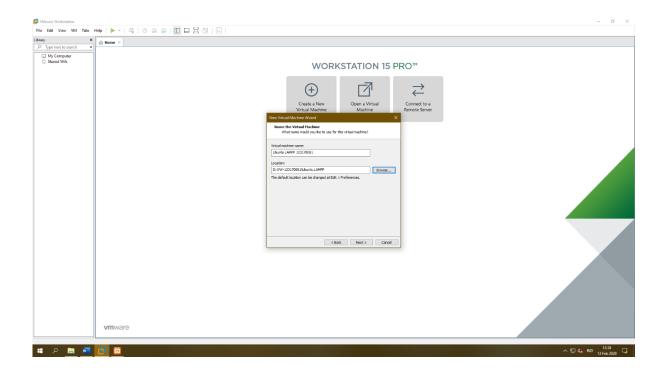
d. pilih berkas iso sistem operasi untuk VM yang akan dibuat, informasi mengenai kompatibiltas easy instal akan muncul.



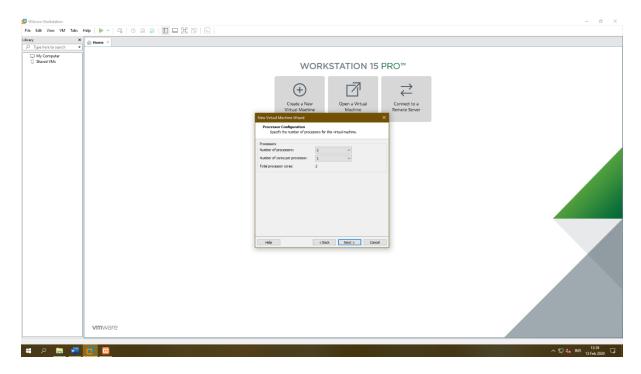
e. Memasukan Data



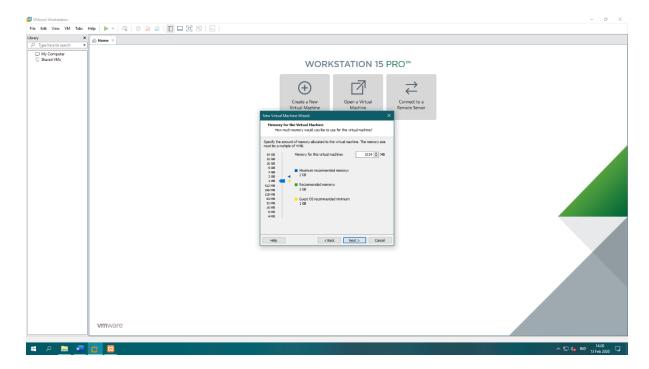
f. Masukan nama dengan format, dan simpan di data D



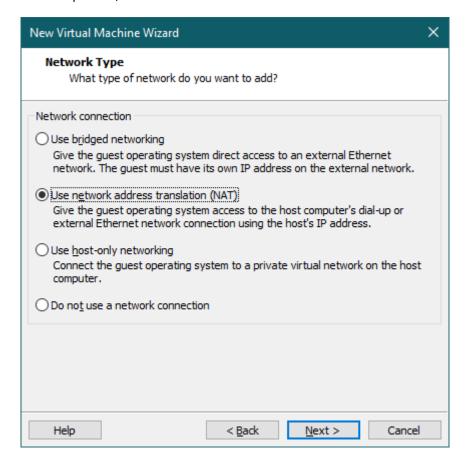
g. Memilih 2 procesor dan 1 cores



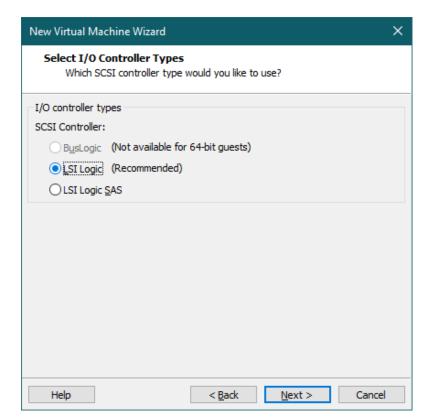
h. Memilih ram 1 gb, dengan cara menggeser, mengklik, dan mengisi langsung didalam kolom



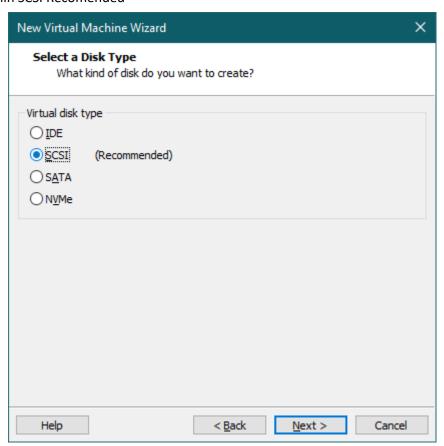
i. Pilih network tipe NAT, karena tidak mudah diakses dari eksternal.



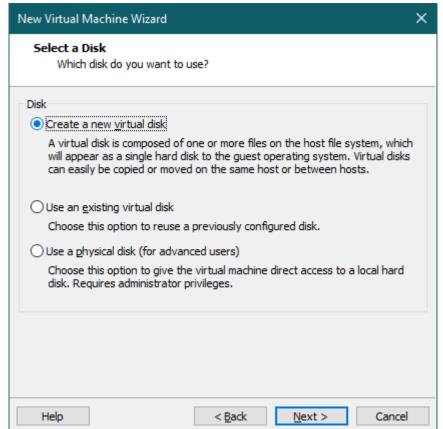
j. Pilih controller tipe LSI LOGIC



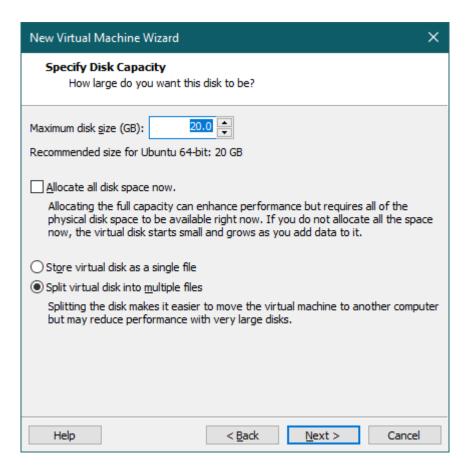
k. Pilih SCSI Recomended



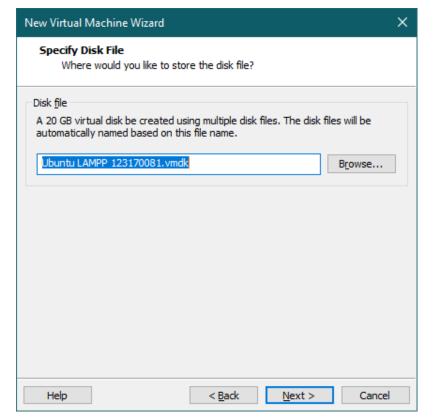
I. Dikarenakan sebelumnya belum pernah memilika virtual disk, maka pilih create a new virtual disk



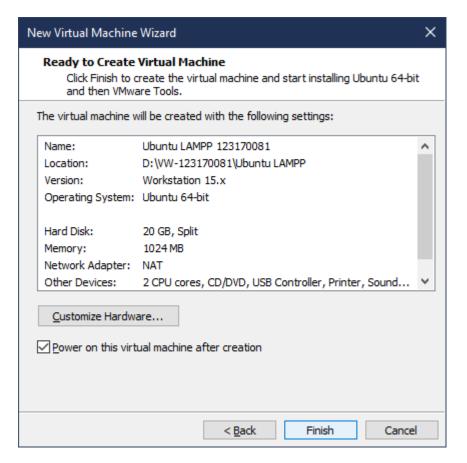
m. Gunakan ukuran default yang disarankan untuk ubuntu, yaitu 20 GB



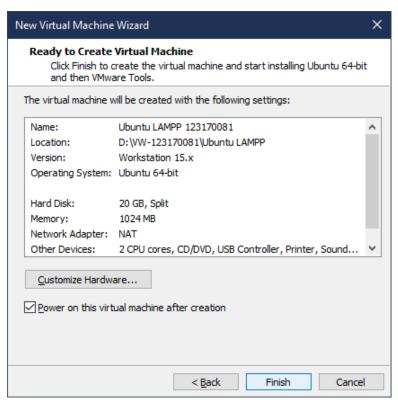
n. Tampilan spesifikasi disk file



o. Tampilan semua spesifikasi



p. Klik finish

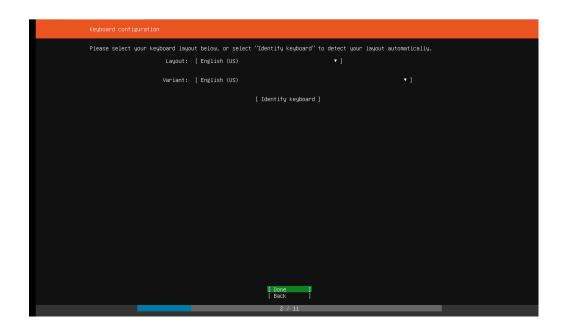


Instalasi Ubuntu Server

1. Pilih bahasa



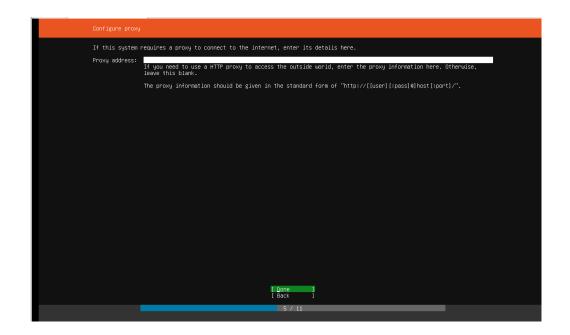
2. Pilih keyboard layout



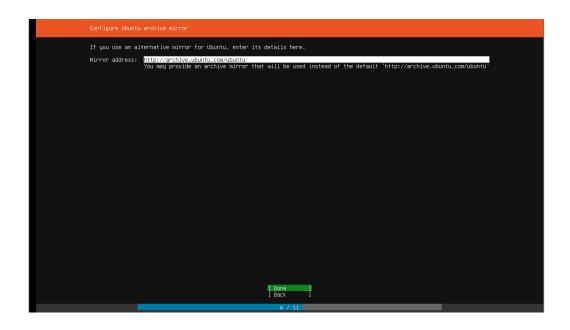
3. Pilih model ubuntu

4. Lalu pilih konfigurasi jaringan, akan tampil IP dari mode NAT

5. Pada menu proxy, dikosongkan saja



6. Mirror adress



7. Gunakan Pengaturan Use An Entire Disk

8. Pilih lokasi Harddisk yang dev/sda

9. Konfirmasi Akhir

```
File SySTEM SUMMARY

MOUNT FORM SIZE TYPE DEVICE TYPE
[/ 19,9976 ext4 partition of local disk *]

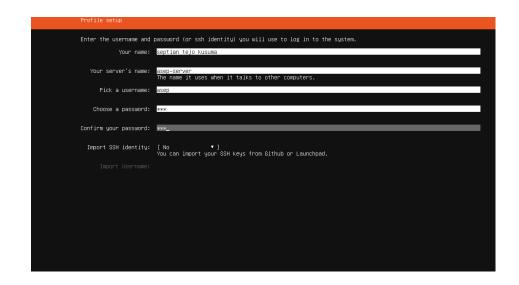
AVAILABLE DEVICES

No available devices
[ Create software RAID (md) *]
[ Create volume group (LVM) *]

USED DEVICES

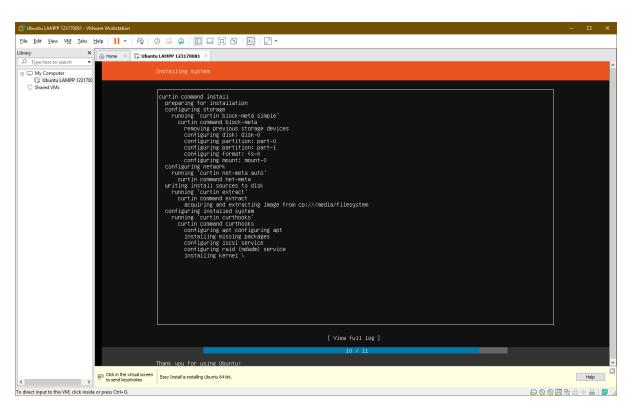
DEVICE SIZE TYPE
[ /dev/Sad 20,0006 local disk *]
[ partition 1 1.000M (OX) *]
bios_groub
[ partition 2 19.9976 (99%) *]
formatted as ext4, mounted at /
```

10. Isi data diri dan jangan sampai lupa

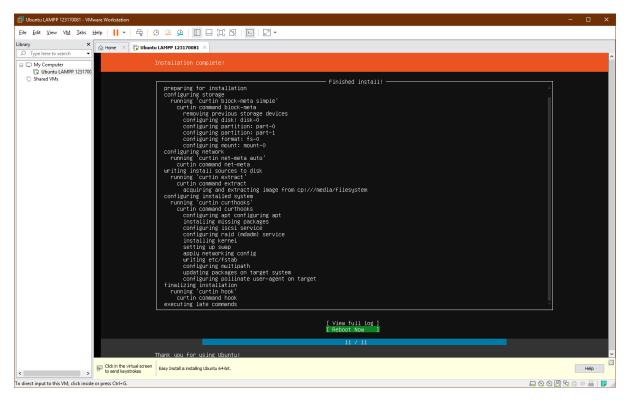


11. Featured server snaps

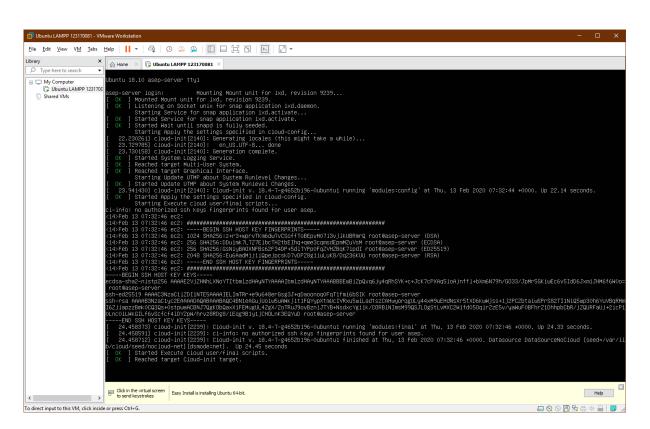
12. Proses Installing System



13. Ketika selesai, klik reboot now



14. Tanda selesai reboot



Perintah perintah :

a. Sudo : b. Sudo su :

c. Cd : change

d. Mkdir :
e. Is :
f. Cp :
g. Mv :
h. Rm :
i. Nano :
j. Apt :
k. Cat :
l. Chown :
m. Chmod :

Mencoba mengubah MOTD

1. Tulis Is

Tidak tampil apa – apa

2. Ketik mkdir pertemuan-2

```
| 1000 to 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
```

Tidak tampil apa apa.

3. Ketik ls -l

```
| 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-100 | 1-10
```

Tampil tulisan yang ditulis di mkdir.

4. Ketik cp -r pertemuan-2 pertemuan-1

```
# Proposed Control | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.
```

Tidak tampil apa – apa.

5. Ketik ls

Akan tampil tulisan pertemuan-1 pertemuan-2

6. Ketik mv pertemuan-2 "pertemuan 2 LAMPP"

```
| Page | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100
```

7. Ketik ls

Tampil tulisan di saat masukin tulisan di mv pertemuan-2

8. ketik cd "pertemuan 2 (lalu tab dan enter)

Menampilkan atau mengubah menjadi apa yang dimasukin di mv.

9. Ketik nano biodata.txt



Akan masuk dalam halaman untuk mengisi biodata karna tadi di ketik bidata.

10. Ketik ls -l

```
| Display as year | Display | Displa
```

Tampil total 4.

11. Ketik cat biodata.txt

```
# 1000 as to proceed 10000

# 1000 as to the control of the contro
```

Tampil tulisan yang kita isi dalam halaman biodata tadi.

12. Ketik nano biodata.txt



Masukin nomor 1-20 tapi kebawah.

13. Ketik cat biodata.txt

```
### Parties | 19 out | Set | Door | Set | Do
```

Tampil sesuatu yang di tulis di halaman biodata tadi yaitu nomor 1-20.

14. Ketik tail biodata.txt

Menampilkan nomor 11-20. Jadi menampilkan beberapa data dari ekor atau dari bawah