



## **LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING**

### **INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)**

#### **IDENTITAS:**

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Kelas:	<b>B</b>
Hari, Tanggal:	<b>20 Februari 2020</b>

#### **CONTOH ISIAN:**

1. Tampilkan hasil login pada Ubuntu Server dengan menggunakan PuTTY

```
root@eternal-loops: ~  
login as: root  
root@45.76.145.117's password:  
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-45-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Mon Feb 17 21:56:08 WIB 2020  
  
System load:  0.0          Processes:            146  
Usage of /:   84.9% of 19.63GB Users logged in:       1  
Memory usage: 78%          IP address for ens3: 45.76.145.117  
Swap usage:   33%  
  
* 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/  
  
* Canonical Livepatch is available for installation.  
  - Reduce system reboots and improve kernel security. Activate at:  
    https://ubuntu.com/livepatch  
  
187 packages can be updated.  
141 updates are security updates.  
  
*** System restart required ***  
Last login: Sun Feb  2 19:18:13 2020 from 180.254.121.187  
root@eternal-loops:~#
```

2. Deskripsikan parameter yang digunakan untuk keluar dari akun root

```
$ exit
```

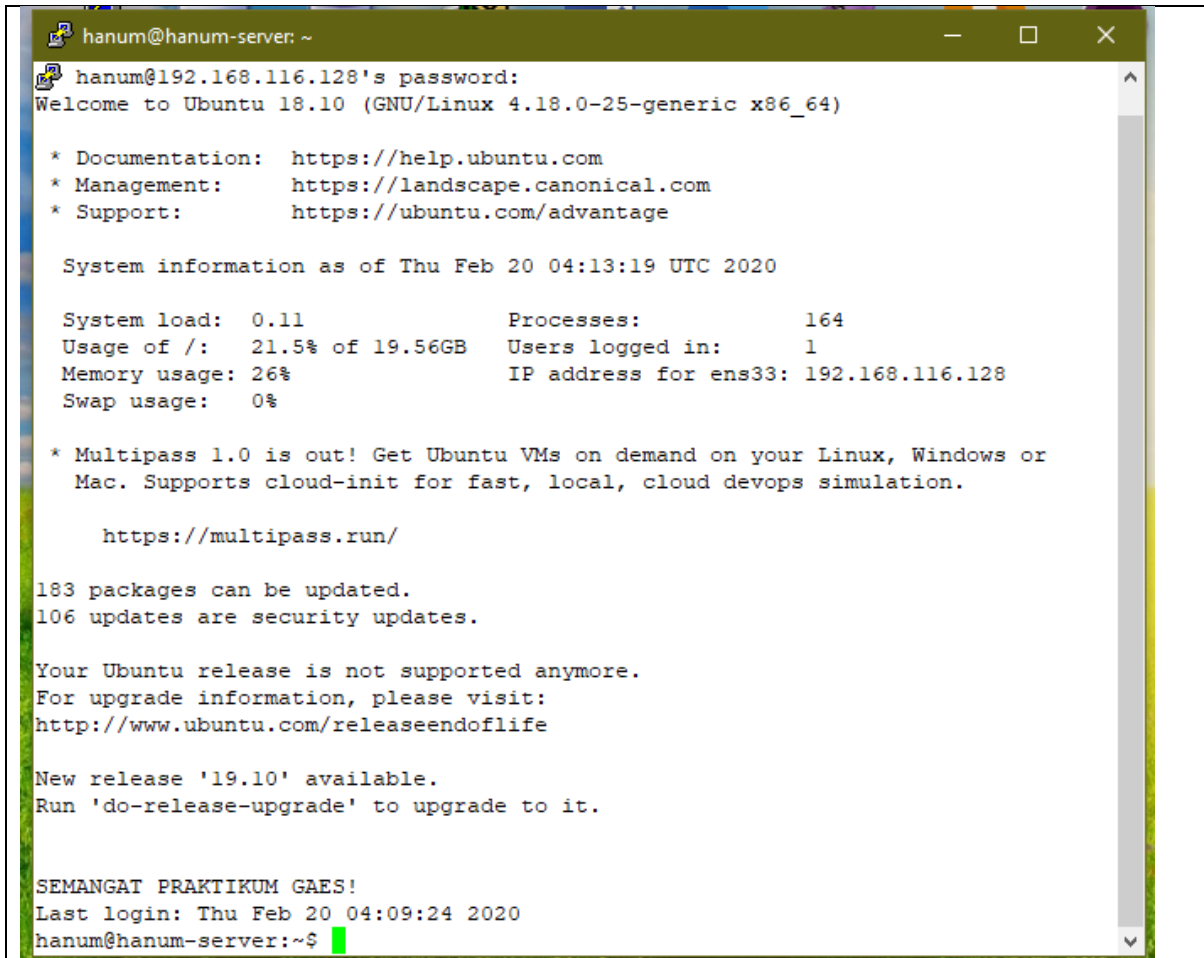
Perintah exit digunakan untuk keluar dari sesi akun aktif

3. Tampilkan pesan kesalahan pada saat login PHPMyAdmin



## **TUGAS BAGIAN PERTAMA:**

1. Tampilan hasil login Server Ubuntu pada PuTTY (tampilan dashboard/motd)



```
hanum@hanum-server: ~  
hanum@192.168.116.128's password:  
Welcome to Ubuntu 18.10 (GNU/Linux 4.18.0-25-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Thu Feb 20 04:13:19 UTC 2020  
  
System load:  0.11               Processes:            164  
Usage of /:   21.5% of 19.56GB   Users logged in:     1  
Memory usage: 26%               IP address for ens33: 192.168.116.128  
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.  
  
    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.  
  
SEMANGAT PRAKTIKUM GAES!  
Last login: Thu Feb 20 04:09:24 2020  
hanum@hanum-server:~$
```

2. Deskripsikan parameter atau cara untuk mendapatkan IP dari Server Ubuntu

```
$ ifconfig
```

Ifconfig digunakan untuk mengetahui ip kita

3. Tampilkan hasil instalasi Apache (Ubuntu Default Page) pada browser (perlihatkan juga address bar pada browser)

4. Tampilkan proses instalasi MySQL

5. Tampilkan keberhasilan instalasi PHP dengan cara menampilkan info.php pada browser

6. Tampilkan halaman awal dari login PHPmyAdmin pada browser

7. Deskripsikan parameter untuk memperbaiki login database (Flush Privileges)

```
$ sudo mysql -u root  
  
ATAU  
  
$ sudo mysql -u root -p
```

8. Tampilkan hasil login WinSCP yang menunjukkan berkas pada Ubuntu Server

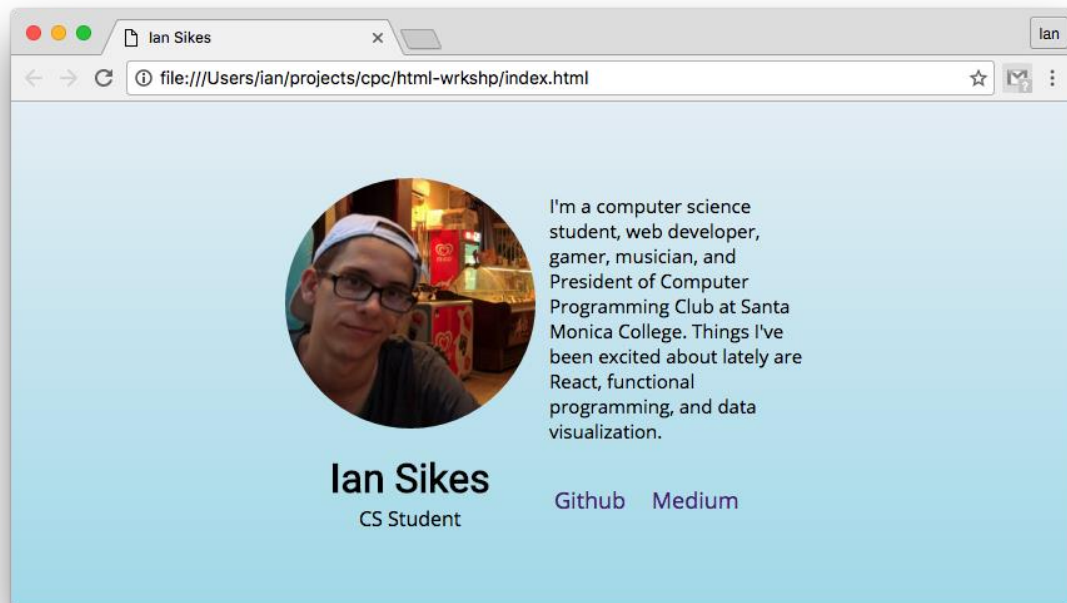
## **TUGAS BAGIAN KEDUA:**

Khusus untuk yang telah mengerjakan tugas 000webhost:

Unduh berkas PHP/HTML Rumah Makan yang tersimpan pada 000webhost Anda.

Khusus untuk yang belum mengerjakan tugas 000webhost:

Buatlah biodata/CV sederhana yang menampilkan identitas Anda menggunakan bahasa PHP/HTML dengan contoh hasil seperti pada ilustrasi berikut



LAKUKAN UNGGAH BERKAS TERSEBUT PADA UBUNTU SERVER, KEMUDIAN TAMPILKAN HASILNYA PADA BROWSER. ATUR JUGA DATABASE BILA PERLU.

(tampilan situs pada browser)

### **TUGAS BAGIAN KETIGA:**

Catatlah IP lima teman Anda secara acak pada tabel berikut, kemudian buat definisi domain untuk teman Anda dengan format: <http://www.namateman.if.upnyk.ac.id>

No.	IP	Nama	Domain
ex.	192.168.64.250	Wahyu Aji Nugroho	<b>wahyu</b> .if.upnyk.ac.id
	192.168.64.245	Muhammad Imam Alfatah	<b>imam</b> .if.upnyk.ac.id
1.			.if.upnyk.ac.id
2.			.if.upnyk.ac.id
3.			.if.upnyk.ac.id
4.			.if.upnyk.ac.id
5.			.if.upnyk.ac.id

Tampilkan hasil akses situs tersebut (menggunakan domain, bukan akses dengan IP) pada isian berikut (perlihatkan URL pada tangkapan layar):

1. Situs pertama

2. Situs kedua

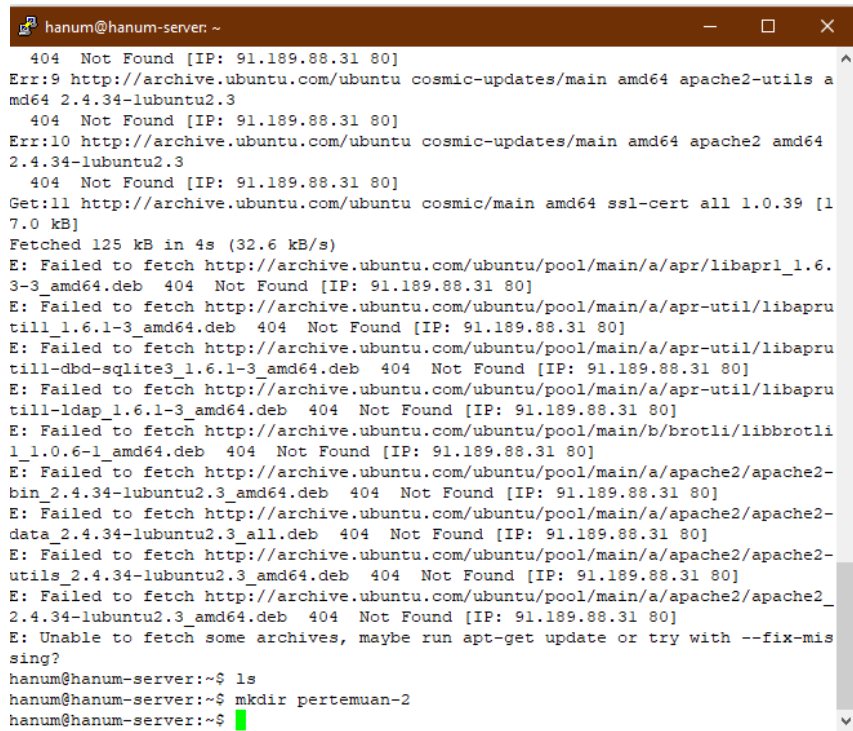
3. Situs ketiga

4. Situs keempat

5. Situs kelima

# EKSPLORASI COMMAND DASAR PADA UBUNTU OS

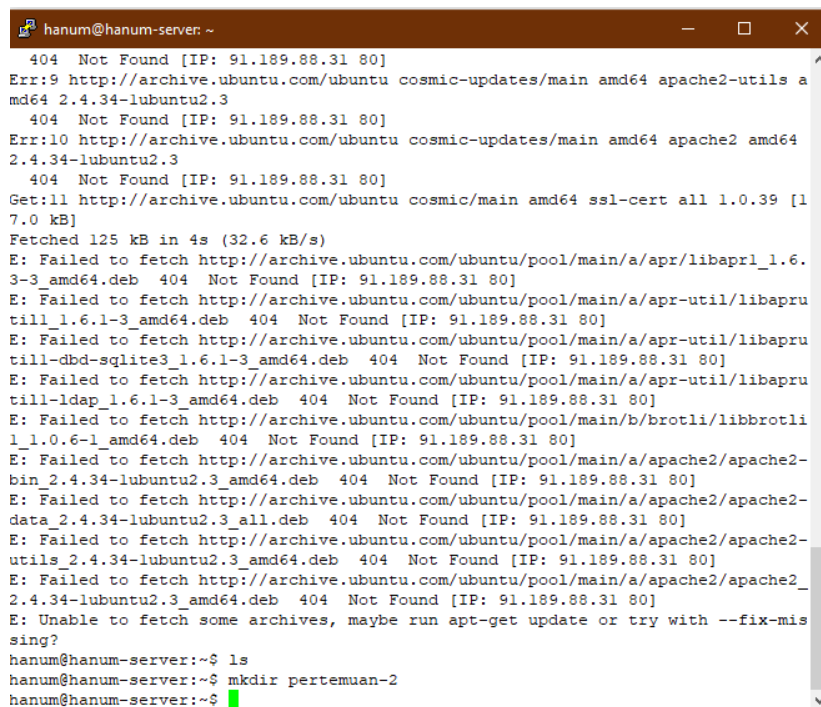
## 1. ls



```
hanum@hanum-server: ~  
404 Not Found [IP: 91.189.88.31 80]  
Err:9 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 apache2-utils a  
md64 2.4.34-lubuntu2.3  
404 Not Found [IP: 91.189.88.31 80]  
Err:10 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 apache2 amd64  
2.4.34-lubuntu2.3  
404 Not Found [IP: 91.189.88.31 80]  
Get:11 http://archive.ubuntu.com/ubuntu cosmic/main amd64 ssl-cert all 1.0.39 [1  
7.0 kB]  
Fetched 125 kB in 4s (32.6 kB/s)  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr/libapr1_1.6.  
3-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-dbd-sqlite3_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-ldap_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/b/brotli/libbrotli  
l_1.0.6-1_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
bin_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
data_2.4.34-lubuntu2.3_all.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
utils_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_  
2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-mis  
sing?  
hanum@hanum-server:~$ ls  
hanum@hanum-server:~$ mkdir pertemuan-2  
hanum@hanum-server:~$
```

Command ls tidak menghasilkan output apapun

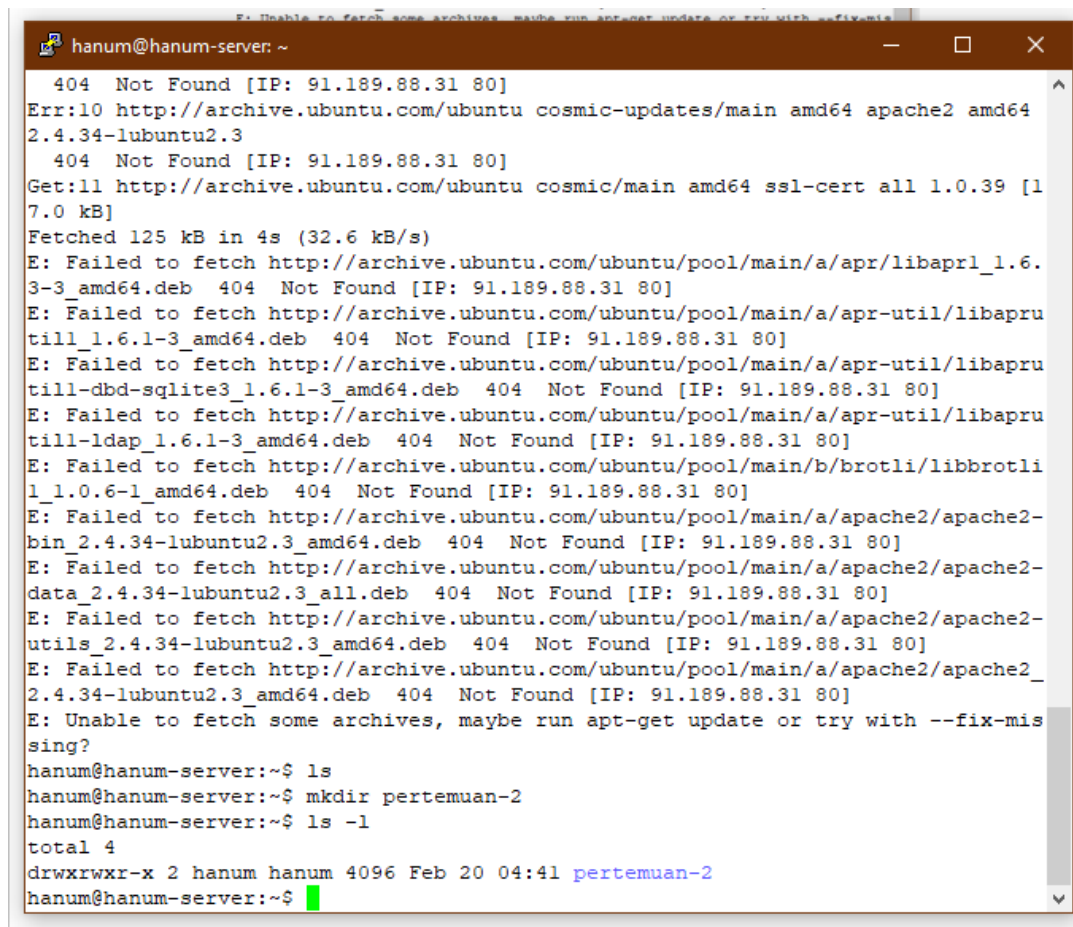
## 2. mkdir pertemuan-2



```
hanum@hanum-server: ~  
404 Not Found [IP: 91.189.88.31 80]  
Err:9 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 apache2-utils a  
md64 2.4.34-lubuntu2.3  
404 Not Found [IP: 91.189.88.31 80]  
Err:10 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 apache2 amd64  
2.4.34-lubuntu2.3  
404 Not Found [IP: 91.189.88.31 80]  
Get:11 http://archive.ubuntu.com/ubuntu cosmic/main amd64 ssl-cert all 1.0.39 [1  
7.0 kB]  
Fetched 125 kB in 4s (32.6 kB/s)  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr/libapr1_1.6.  
3-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-dbd-sqlite3_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-ldap_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/b/brotli/libbrotli  
l_1.0.6-1_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
bin_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
data_2.4.34-lubuntu2.3_all.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
utils_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_  
2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-mis  
sing?  
hanum@hanum-server:~$ ls  
hanum@hanum-server:~$ mkdir pertemuan-2  
hanum@hanum-server:~$
```

Fungsi diatas digunakan untuk membuat direktori

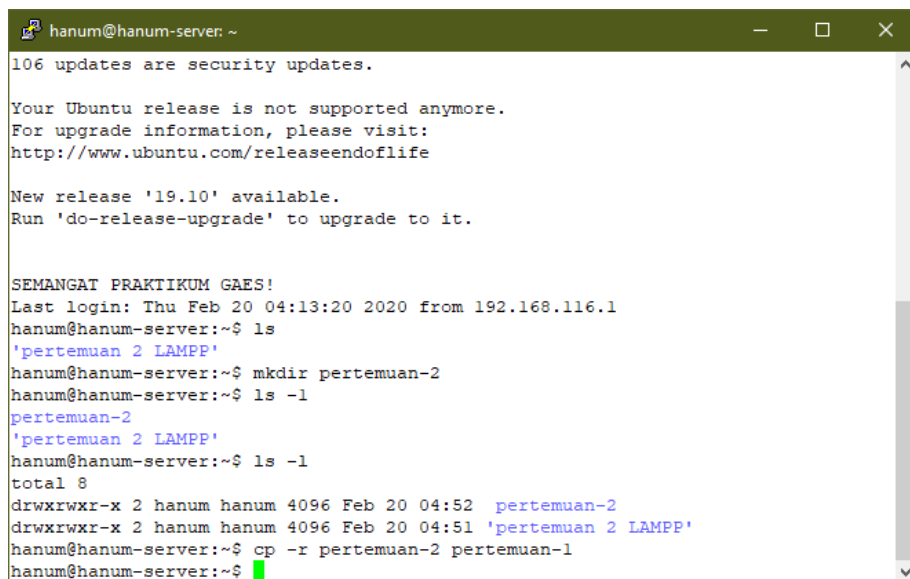
### 3. ls -l



```
hanum@hanum-server: ~  
404 Not Found [IP: 91.189.88.31 80]  
Err:10 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 apache2 amd64  
2.4.34-lubuntu2.3  
404 Not Found [IP: 91.189.88.31 80]  
Get:11 http://archive.ubuntu.com/ubuntu cosmic/main amd64 ssl-cert all 1.0.39 [1  
7.0 kB]  
Fetched 125 kB in 4s (32.6 kB/s)  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr/libapr1_1.6.  
3-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-dbd-sqlite3_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-ldap_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/b/brotli/libbrotli  
1_1.0.6-1_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
bin_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
data_2.4.34-lubuntu2.3_all.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
utils_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_  
2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-mis  
sing?  
hanum@hanum-server:~$ ls  
hanum@hanum-server:~$ mkdir pertemuan-2  
hanum@hanum-server:~$ ls -l  
total 4  
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:41 pertemuan-2  
hanum@hanum-server:~$
```

Perintah ls berfungsi untuk menampilkan isi file dan folder dalam suatu direktori.

### 4. cp -f pertemuan-2 pertemuan-1

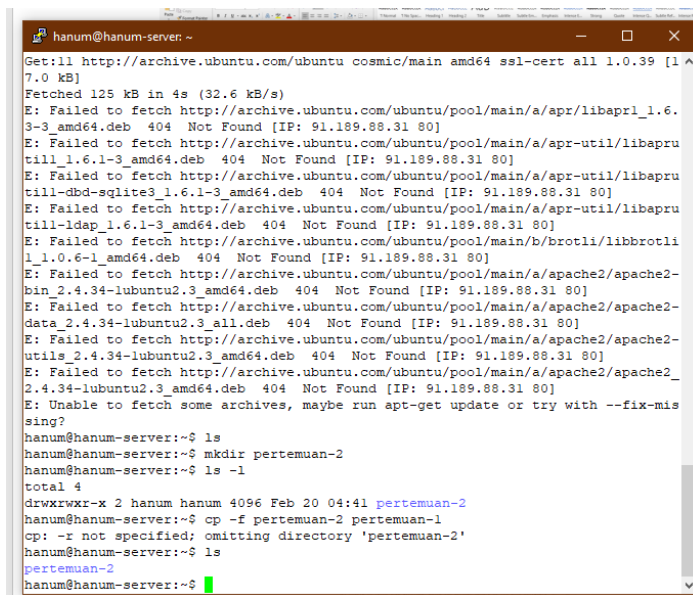


```
hanum@hanum-server: ~  
106 updates are security updates.  
  
Your Ubuntu release is not supported anymore.  
For upgrade information, please visit:  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
SEMANGAT PRAKTIKUM GAES!  
Last login: Thu Feb 20 04:13:20 2020 from 192.168.116.1  
hanum@hanum-server:~$ ls  
'pertemuan 2 LAMPP'  
hanum@hanum-server:~$ mkdir pertemuan-2  
hanum@hanum-server:~$ ls -l  
pertemuan-2  
'pertemuan 2 LAMPP'  
hanum@hanum-server:~$ ls -l  
total 8  
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:52 pertemuan-2  
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:51 'pertemuan 2 LAMPP'  
hanum@hanum-server:~$ cp -r pertemuan-2 pertemuan-1  
hanum@hanum-server:~$
```

Perintah cp untuk mengcopy file dari satu lokasi ke lokasi lain.



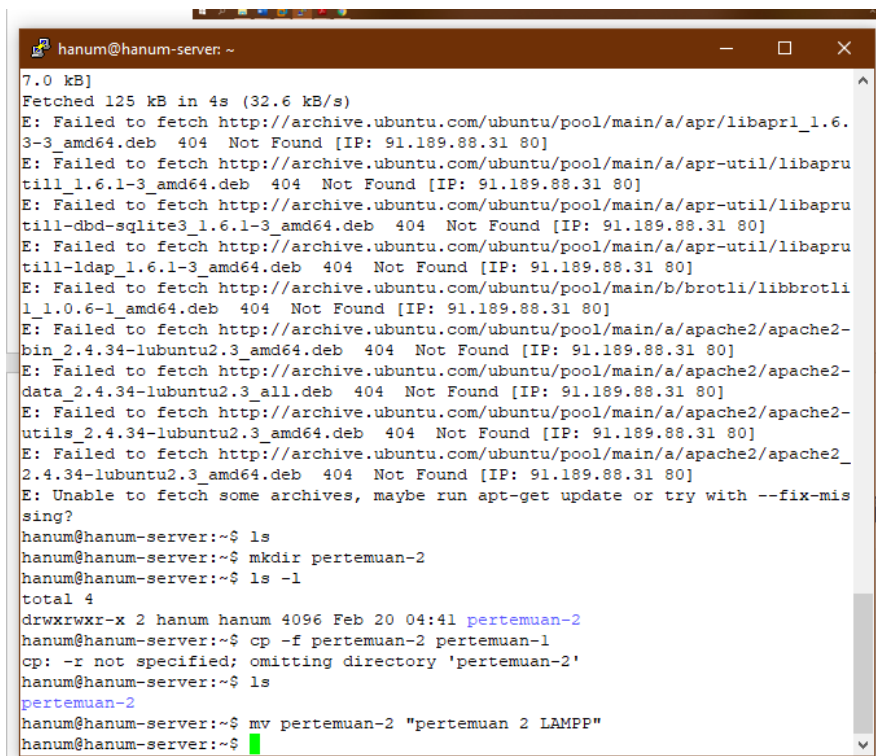
## 5. ls



```
hanum@hanum-server: ~  
Get:11 http://archive.ubuntu.com/ubuntu cosmic/main amd64 ssl-cert all 1.0.39 [1^  
7.0 kB]  
Fetched 125 kB in 4s (32.6 kB/s)  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr/libapr1_1.6.  
3-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-dbd-sqlite3_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-ldap_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/b/brotli/libbrotli  
1_1.0.6-1_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
bin_2.4.34-1ubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
data_2.4.34-1ubuntu2.3_all.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
utils_2.4.34-1ubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_  
2.4.34-1ubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-mis  
sing?  
hanum@hanum-server:~$ ls  
hanum@hanum-server:~$ mkdir pertemuan-2  
hanum@hanum-server:~$ ls -l  
total 4  
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:41 pertemuan-2  
hanum@hanum-server:~$ cp -f pertemuan-2 pertemuan-1  
cp: -r not specified; omitting directory 'pertemuan-2'  
hanum@hanum-server:~$ ls  
pertemuan-2  
hanum@hanum-server:~$
```

Perintah ls berfungsi untuk menampilkan isi file dan folder dalam suatu direktori.

## 6. mv pertemuan-2 “pertemuan 2 LAMPP”



```
hanum@hanum-server: ~  
7.0 kB]  
Fetched 125 kB in 4s (32.6 kB/s)  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr/libapr1_1.6.  
3-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-dbd-sqlite3_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libapru  
till-ldap_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/b/brotli/libbrotli  
1_1.0.6-1_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
bin_2.4.34-1ubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
data_2.4.34-1ubuntu2.3_all.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-  
utils_2.4.34-1ubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_  
2.4.34-1ubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-mis  
sing?  
hanum@hanum-server:~$ ls  
hanum@hanum-server:~$ mkdir pertemuan-2  
hanum@hanum-server:~$ ls -l  
total 4  
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:41 pertemuan-2  
hanum@hanum-server:~$ cp -f pertemuan-2 pertemuan-1  
cp: -r not specified; omitting directory 'pertemuan-2'  
hanum@hanum-server:~$ ls  
pertemuan-2  
hanum@hanum-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
hanum@hanum-server:~$
```

Perintah mv untuk memindahkan file dari satu lokasi ke lokasi lain.

## 7. ls

```
hanum@hanum-server: ~  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr/libaprl_1.6.3-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libaprutil_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libaprutil-dbd-sqlite3_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libaprutil-lldap_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/b/brotli/libbrotli1_1.0.6-1_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-bin_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-data_2.4.34-lubuntu2.3_all.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-utils_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?  
hanum@hanum-server:~$ ls  
hanum@hanum-server:~$ mkdir pertemuan-2  
hanum@hanum-server:~$ ls -l  
total 4  
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:41 pertemuan-2  
hanum@hanum-server:~$ cp -f pertemuan-2 pertemuan-1  
cp: -r not specified; omitting directory 'pertemuan-2'  
hanum@hanum-server:~$ ls  
pertemuan-2  
hanum@hanum-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
hanum@hanum-server:~$ ls  
'pertemuan 2 LAMPP'  
hanum@hanum-server:~$
```

Perintah ls berfungsi untuk menampilkan isi file dan folder dalam suatu direktori.

## 8. cd "pertemuan 2 tekan tab lalu enter

```
hanum@hanum-server: ~/pertemuan 2 LAMPP  
3-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libaprutil_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libaprutil-dbd-sqlite3_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apr-util/libaprutil-lldap_1.6.1-3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/b/brotli/libbrotli1_1.0.6-1_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-bin_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-data_2.4.34-lubuntu2.3_all.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2-utils_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Failed to fetch http://archive.ubuntu.com/ubuntu/pool/main/a/apache2/apache2_2.4.34-lubuntu2.3_amd64.deb 404 Not Found [IP: 91.189.88.31 80]  
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?  
hanum@hanum-server:~$ ls  
hanum@hanum-server:~$ mkdir pertemuan-2  
hanum@hanum-server:~$ ls -l  
total 4  
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:41 pertemuan-2  
hanum@hanum-server:~$ cp -f pertemuan-2 pertemuan-1  
cp: -r not specified; omitting directory 'pertemuan-2'  
hanum@hanum-server:~$ ls  
pertemuan-2  
hanum@hanum-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
hanum@hanum-server:~$ ls  
'pertemuan 2 LAMPP'  
hanum@hanum-server:~$ cd "pertemuan 2 LAMPP"/  
hanum@hanum-server:~/pertemuan 2 LAMPP$
```

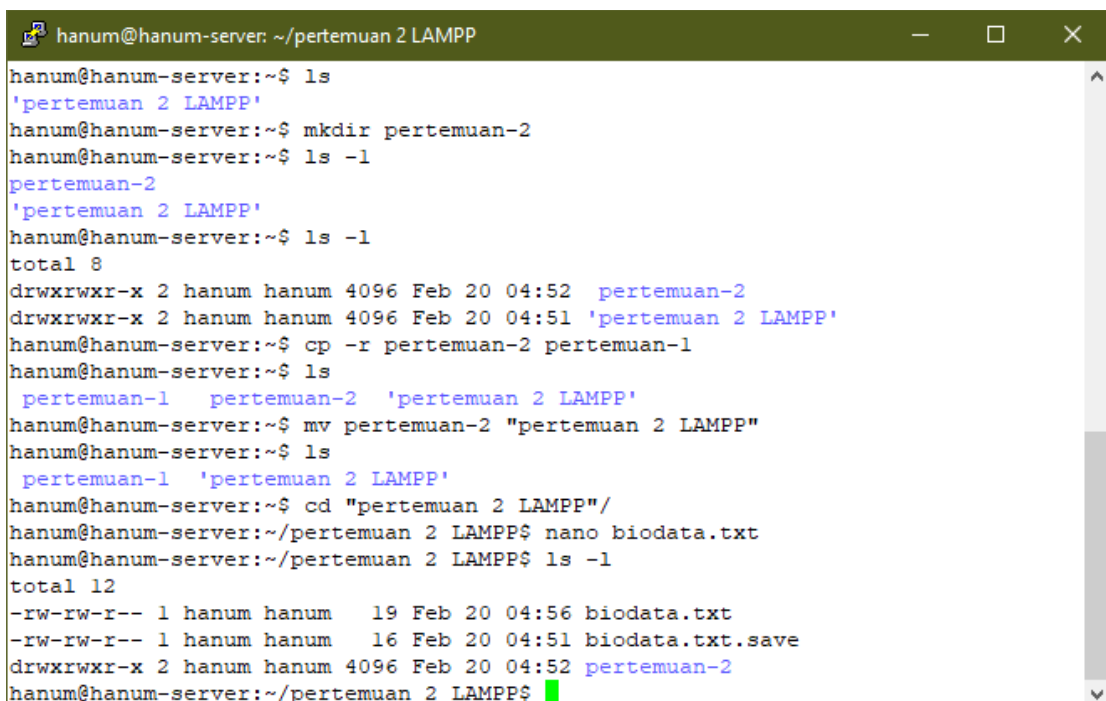
Fungsi perintah cd adalah untuk berpindah dari satu folder ke folder lain.

## 9. nano biodata.txt



The screenshot shows a terminal window with the nano text editor open. The title bar indicates the user is 'hanum' on a 'hanum-server' in the directory '~/pertemuan 2 LAMPP'. The editor's status bar at the top shows 'GNU nano 2.9.8' and the filename 'biodata.txt'. The main editing area is empty, with a green cursor at the top left. At the bottom, a help menu is visible, listing various shortcuts: ^G for Get Help, ^O for Write Out, ^W for Where Is, ^K for Cut Text, ^J for Justify, ^C for Cur Pos, ^X for Exit, ^R for Read File, ^\ for Replace, ^U for Uncut Text, ^T for To Spell, and ^\_ for Go To Line. A '[ New File ]' button is also present in the center of the bottom bar.

## 10. ls -l



The screenshot shows a terminal window with the following commands and output:

```
hanum@hanum-server: ~/$ ls
'pertemuan 2 LAMPP'
hanum@hanum-server: ~/$ mkdir pertemuan-2
hanum@hanum-server: ~/$ ls -l
pertemuan-2
'pertemuan 2 LAMPP'
hanum@hanum-server: ~/$ ls -l
total 8
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:52 pertemuan-2
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:51 'pertemuan 2 LAMPP'
hanum@hanum-server: ~/$ cp -r pertemuan-2 pertemuan-1
hanum@hanum-server: ~/$ ls
pertemuan-1 pertemuan-2 'pertemuan 2 LAMPP'
hanum@hanum-server: ~/$ mv pertemuan-2 "pertemuan 2 LAMPP"
hanum@hanum-server: ~/$ ls
pertemuan-1 'pertemuan 2 LAMPP'
hanum@hanum-server: ~/$ cd "pertemuan 2 LAMPP"/
hanum@hanum-server: ~/pertemuan 2 LAMPP$ nano biodata.txt
hanum@hanum-server: ~/pertemuan 2 LAMPP$ ls -l
total 12
-rw-rw-r-- 1 hanum hanum 19 Feb 20 04:56 biodata.txt
-rw-rw-r-- 1 hanum hanum 16 Feb 20 04:51 biodata.txt.save
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:52 pertemuan-2
hanum@hanum-server: ~/pertemuan 2 LAMPP$
```

Perintah ls berfungsi untuk menampilkan isi file dan folder dalam suatu direktori.

## 11. cat biodata.txt

```
hanum@hanum-server: ~/pertemuan 2 LAMPP
'pertemuan 2 LAMPP'
hanum@hanum-server:~$ ls -l
total 8
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:52 pertemuan-2
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:51 'pertemuan 2 LAMPP'
hanum@hanum-server:~$ cp -r pertemuan-2 pertemuan-1
hanum@hanum-server:~$ ls
pertemuan-1  pertemuan-2  'pertemuan 2 LAMPP'
hanum@hanum-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
hanum@hanum-server:~$ ls
pertemuan-1  'pertemuan 2 LAMPP'
hanum@hanum-server:~$ cd "pertemuan 2 LAMPP"/
hanum@hanum-server:~/pertemuan 2 LAMPP$ nano biodata.txt
hanum@hanum-server:~/pertemuan 2 LAMPP$ ls -l
total 12
-rw-rw-r-- 1 hanum hanum 19 Feb 20 04:56 biodata.txt
-rw-rw-r-- 1 hanum hanum 16 Feb 20 04:51 biodata.txt.save
drwxrwxr-x 2 hanum hanum 4096 Feb 20 04:52 pertemuan-2
hanum@hanum-server:~/pertemuan 2 LAMPP$ cat biodata.txt

NIM : 123170090
hanum@hanum-server:~/pertemuan 2 LAMPP$
```

## 12. nano biodata.txt

```
hanum@hanum-server: ~/pertemuan 2 LAMPP
GNU nano 2.9.8      biodata.txt      Modified
7
8
9
10
11
12
13
14
15
16
17
18
19
20
^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
```

### 13. cat biodata.txt

```
hanum@hanum-server: ~/pertemuan 2 LAMPP
NIM : 123170090
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

hanum@hanum-server:~/pertemuan 2 LAMPP$
```

### 14. tail biodata.txt

```
hanum@hanum-server: ~/pertemuan 2 LAMPP
command 'tali' from snap tali (3.32.0+git5.3b38e14)
command 'pall' from snap pall (2.0.2)
command 'wall' from deb bsduutils
command 'tail' from deb coreutils
command 'tali' from deb tali
command 'taql' from deb casacore-tools
command 'talk' from deb inetutils-talk
command 'talk' from deb talk
command 'talk' from deb ytalk

See 'snap info <snapname>' for additional versions.

hanum@hanum-server:~/pertemuan 2 LAMPP$ tail biodata.txt
13
14
15
16
17
18
19
20

hanum@hanum-server:~/pertemuan 2 LAMPP$
```

Fungsi tail digunakan untuk membaca file tapi dimulai dari baris akhirnya.