

# **Laporan Praktikum 5**

## **Pengantar Open Source dan Aplikasi**

**“File dan Direktori”**



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# Modul V File dan Direktori

## A. Tujuan

1. Mampu menggunakan perintah mkdir, rmdir, touch, dan lain-lain.
2. Mampu menjalankan aplikasi file browser dalam melihat struktur file/folder, membuat folder baru, memindahkan dan menghapusnya.

## B. Teori Singkat

Menurut saya teori singkat mengenai shell, perintah dasar, dan editor teks, yaitu :

File adalah data yang disimpan di harddisk untuk mengoperasikan sesuatu. Direktori adalah wadah untuk file – file. Subdirektori adalah direktori yang berisi direktori didalamnya. Direktori Induk adalah direktori paling atas yang berisi direktori.

Direktori linux dapat digambarkan dengan pohon direktori yang bagian atasnya adalah root direktori (Slash ( / )) dan cabang – cabangnya merupakan direktori – direktori yang berfungsi untuk mengolah sistem.

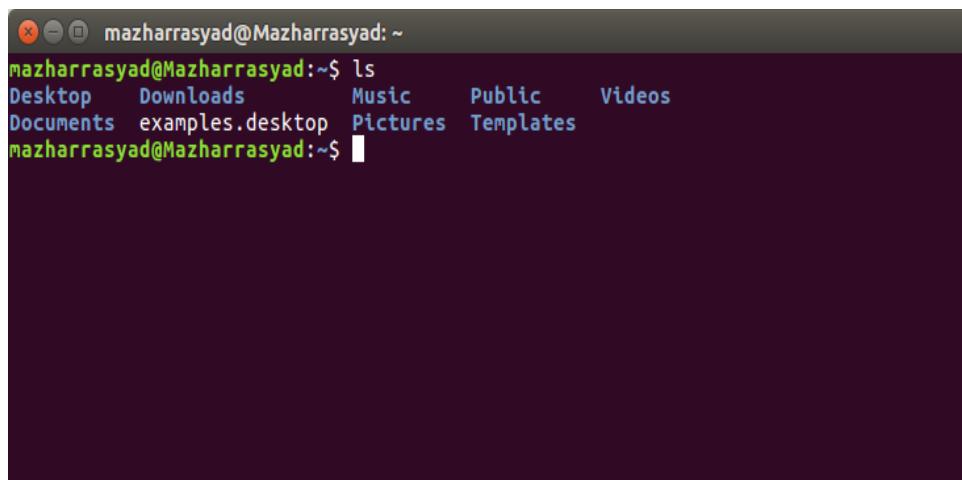
## C. Langkah – langkah Praktikum

### 1. Operasi Direktori

#### a. Menampilkan isi direktori

\$ ls

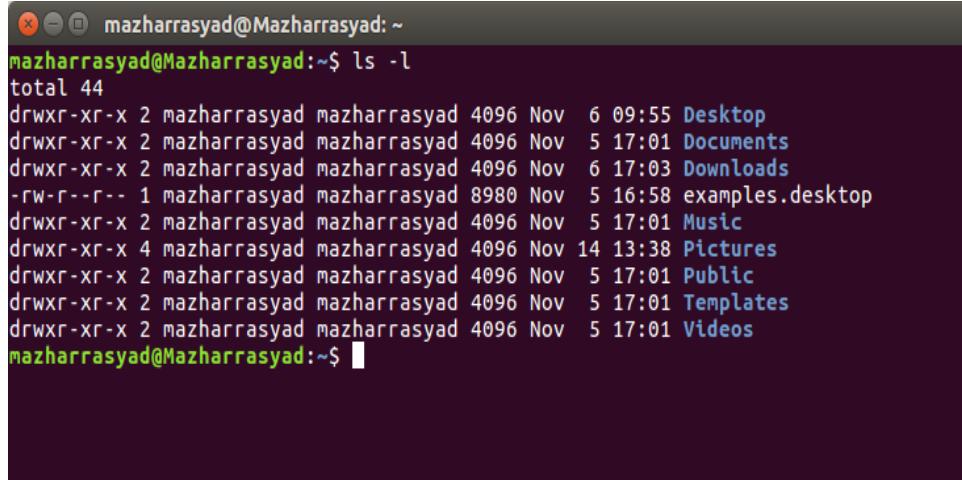
Untuk medaftarkan file atau direktori pada saat di direktori dijalankan



```
mazharrasyad@mazharrasyad:~$ ls
Desktop Downloads Music Public Videos
Documents examples.desktop Pictures Templates
mazharrasyad@mazharrasyad:~$
```

```
$ ls -l
```

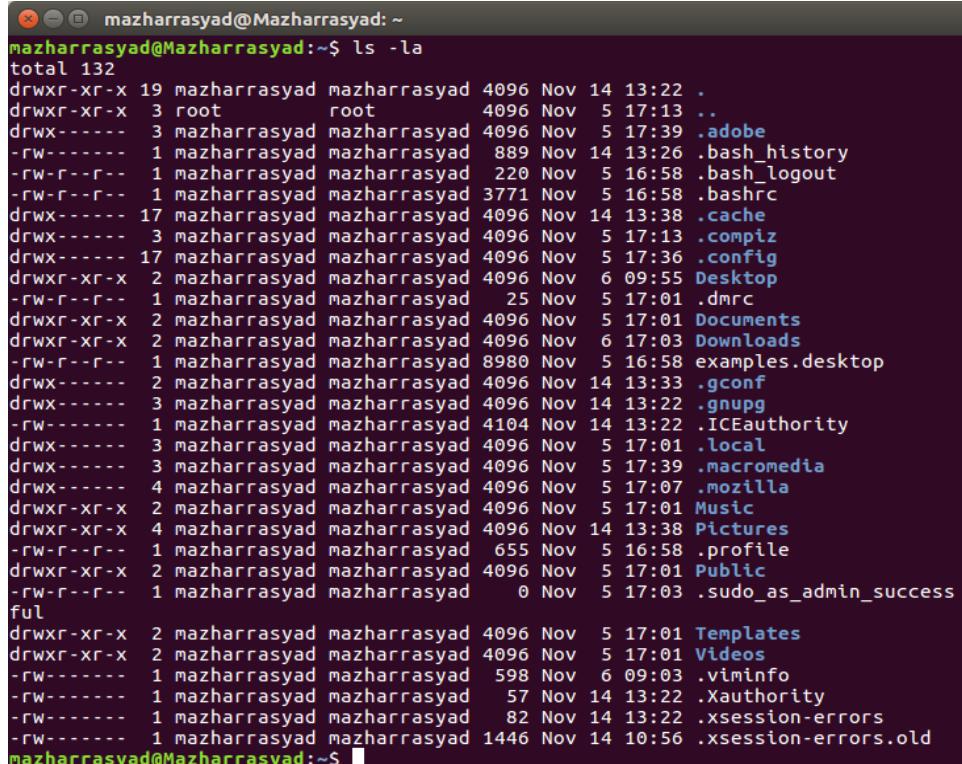
Untuk medaftarkan file atau direktori pada saat di direktori dijalankan dengan ditambahkan option untuk melist detail pada file atau direktori



```
mazharrasyad@mazharrasyad:~$ ls -l
total 44
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharrasyad mazharrasyad 8980 Nov  5 16:58 examples.desktop
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Music
drwxr-xr-x 4 mazharrasyad mazharrasyad 4096 Nov 14 13:38 Pictures
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Videos
mazharrasyad@mazharrasyad:~$
```

```
$ ls -la
```

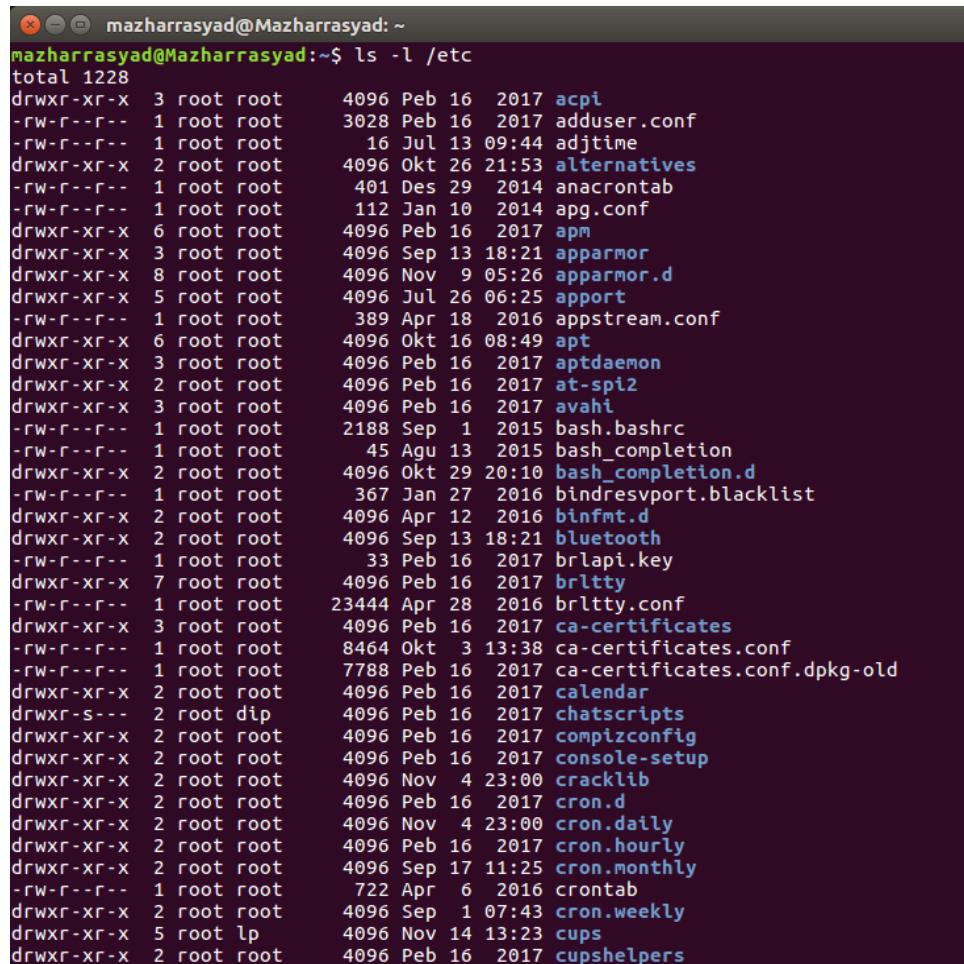
Untuk medaftarkan file atau direktori pada saat di direktori dijalankan dengan ditambahkan option untuk melist detail pada file atau direktori dan memunculkan file yang tersembunyi



```
mazharrasyad@mazharrasyad:~$ ls -la
total 132
drwxr-xr-x 19 mazharrasyad mazharrasyad 4096 Nov 14 13:22 .
drwxr-xr-x  3 root      root      4096 Nov  5 17:13 ..
drwx-----  3 mazharrasyad mazharrasyad 4096 Nov  5 17:39 .adobe
-rw-----  1 mazharrasyad mazharrasyad  889 Nov 14 13:26 .bash_history
-rw-r--r--  1 mazharrasyad mazharrasyad  220 Nov  5 16:58 .bash_logout
-rw-r--r--  1 mazharrasyad mazharrasyad 3771 Nov  5 16:58 .bashrc
drwx----- 17 mazharrasyad mazharrasyad 4096 Nov 14 13:38 .cache
drwx-----  3 mazharrasyad mazharrasyad 4096 Nov  5 17:13 .compiz
drwx----- 17 mazharrasyad mazharrasyad 4096 Nov  5 17:36 .config
drwxr-xr-x  2 mazharrasyad mazharrasyad 4096 Nov  6 09:55 Desktop
-rw-r--r--  1 mazharrasyad mazharrasyad  25 Nov  5 17:01 .dmrc
drwxr-xr-x  2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Documents
drwxr-xr-x  2 mazharrasyad mazharrasyad 4096 Nov  6 17:03 Downloads
-rw-r--r--  1 mazharrasyad mazharrasyad 8980 Nov  5 16:58 examples.desktop
drwx-----  2 mazharrasyad mazharrasyad 4096 Nov 14 13:33 .gconf
drwx-----  3 mazharrasyad mazharrasyad 4096 Nov 14 13:22 .gnupg
-rw-----  1 mazharrasyad mazharrasyad 4104 Nov 14 13:22 .ICEAuthority
drwx-----  3 mazharrasyad mazharrasyad 4096 Nov  5 17:01 .local
drwx-----  3 mazharrasyad mazharrasyad 4096 Nov  5 17:39 .macromedia
drwx-----  4 mazharrasyad mazharrasyad 4096 Nov  5 17:07 .mozilla
drwxr-xr-x  2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Music
drwxr-xr-x  4 mazharrasyad mazharrasyad 4096 Nov 14 13:38 Pictures
-rw-r--r--  1 mazharrasyad mazharrasyad  655 Nov  5 16:58 .profile
drwxr-xr-x  2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Public
-rw-r--r--  1 mazharrasyad mazharrasyad     0 Nov  5 17:03 .sudo_as_admin_success
ful
drwxr-xr-x  2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Templates
drwxr-xr-x  2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Videos
-rw-----  1 mazharrasyad mazharrasyad  598 Nov  6 09:03 .viminfo
-rw-----  1 mazharrasyad mazharrasyad  57 Nov 14 13:22 .Xauthority
-rw-----  1 mazharrasyad mazharrasyad   82 Nov 14 13:22 .xsession-errors
-rw-----  1 mazharrasyad mazharrasyad 1446 Nov 14 10:56 .xsession-errors.old
mazharrasyad@mazharrasyad:~$
```

```
$ ls -l /etc
```

Untuk medaftarkan file atau direktori pada saat di direktori dijalankan dengan ditambahkan option untuk melist detail pada file atau direktori di tempat /etc



```
mazharrasyad@mazharrasyad:~$ ls -l /etc
total 1228
drwxr-xr-x  3 root root    4096 Feb 16  2017 acpi
-rw-r--r--  1 root root    3028 Feb 16  2017 adduser.conf
-rw-r--r--  1 root root     16 Jul 13 09:44 adjtime
drwxr-xr-x  2 root root    4096 Okt 26 21:53 alternatives
-rw-r--r--  1 root root    401 Des 29 2014 anacrontab
-rw-r--r--  1 root root   112 Jan 10 2014 apg.conf
drwxr-xr-x  6 root root    4096 Feb 16  2017 apt
drwxr-xr-x  3 root root    4096 Sep 13 18:21 apparmor
drwxr-xr-x  8 root root    4096 Nov  9 05:26 apparmor.d
drwxr-xr-x  5 root root    4096 Jul 26 06:25 apport
-rw-r--r--  1 root root    389 Apr 18 2016 appstream.conf
drwxr-xr-x  6 root root    4096 Okt 16 08:49 apt
drwxr-xr-x  3 root root    4096 Feb 16  2017 aptdaemon
drwxr-xr-x  2 root root    4096 Feb 16  2017 at-spi2
drwxr-xr-x  3 root root    4096 Feb 16  2017 avahi
-rw-r--r--  1 root root   2188 Sep  1 2015 bash.bashrc
-rw-r--r--  1 root root     45 Agu 13 2015 bash_completion
drwxr-xr-x  2 root root    4096 Okt 29 20:10 bash_completion.d
-rw-r--r--  1 root root    367 Jan 27 2016 bindresvport.blacklist
drwxr-xr-x  2 root root    4096 Apr 12 2016 binfmt.d
drwxr-xr-x  2 root root    4096 Sep 13 18:21 bluetooth
-rw-r--r--  1 root root     33 Peb 16  2017 brlapi.key
drwxr-xr-x  7 root root    4096 Peb 16  2017 brltty
-rw-r--r--  1 root root  23444 Apr 28 2016 brltty.conf
drwxr-xr-x  3 root root    4096 Peb 16  2017 ca-certificates
-rw-r--r--  1 root root   8464 Okt  3 13:38 ca-certificates.conf
-rw-r--r--  1 root root   7788 Peb 16  2017 ca-certificates.conf.dpkg-old
drwxr-xr-x  2 root root    4096 Peb 16  2017 calendar
drwxr-s---  2 root dip     4096 Peb 16  2017 chatscripts
drwxr-xr-x  2 root root    4096 Peb 16  2017 compizconfig
drwxr-xr-x  2 root root    4096 Peb 16  2017 console-setup
drwxr-xr-x  2 root root    4096 Nov  4 23:00 cracklib
drwxr-xr-x  2 root root    4096 Peb 16  2017 cron.d
drwxr-xr-x  2 root root    4096 Nov  4 23:00 cron.daily
drwxr-xr-x  2 root root    4096 Peb 16  2017 cron.hourly
drwxr-xr-x  2 root root    4096 Sep 17 11:25 cron.monthly
-rw-r--r--  1 root root    722 Apr  6 2016 crontab
drwxr-xr-x  2 root root    4096 Sep  1 07:43 cron.weekly
drwxr-xr-x  5 root lp      4096 Nov 14 13:23 cups
drwxr-xr-x  2 root root    4096 Peb 16  2017 cupshelpers
```

```
mazharrasyad@mazharrasyad: ~
drwxr-xr-x 4 root root 4096 Feb 16 2017 speech-dispatcher
drwxr-xr-x 2 root root 4096 Jul 13 08:39 ssh
drwxr-xr-x 4 root root 4096 Nov 9 05:26 ssl
-rw-r--r-- 1 root root 43 Nov 5 16:58 subgid
-rw----- 1 root root 17 Sep 19 05:52 subgid-
-rw-r--r-- 1 root root 43 Nov 5 16:58 subuid
-rw----- 1 root root 17 Sep 19 05:52 subuid-
-rw-r----- 1 root root 755 Jan 20 2017 sudoers
drwxr-xr-x 2 root root 4096 Jul 30 05:28 sudoers.d
-rw-r--r-- 1 root root 2084 Sep 6 2015 sysctl.conf
drwxr-xr-x 2 root root 4096 Okt 29 20:10 sysctl.d
drwxr-xr-x 5 root root 4096 Okt 29 20:10 systemd
drwxr-xr-x 2 root root 4096 Nov 14 13:22 teamviewer
drwxr-xr-x 2 root root 4096 Peb 16 2017 terminfo
drwxr-xr-x 2 root root 4096 Jul 13 08:42 thermal
drwxr-xr-x 2 root root 4096 Okt 11 18:46 thunderbird
-rw-r--r-- 1 root root 13 Nov 14 13:25 timezone
drwxr-xr-x 2 root root 4096 Jul 13 06:04 timidity
drwxr-xr-x 2 root root 4096 Apr 12 2016 tmpfiles.d
-rw-r--r-- 1 root root 1260 Mar 17 2016 ucf.conf
drwxr-xr-x 4 root root 4096 Okt 29 20:10 udev
drwxr-xr-x 2 root root 4096 Apr 2 2016 udisks2
drwxr-xr-x 3 root root 4096 Peb 16 2017 ufw
-rw-r--r-- 1 root root 338 Nov 18 2014 updatedb.conf
drwxr-xr-x 3 root root 4096 Nov 4 23:00 update-manager
drwxr-xr-x 2 root root 4096 Nov 4 23:00 update-motd.d
drwxr-xr-x 2 root root 4096 Des 9 2016 update-notifier
drwxr-xr-x 2 root root 4096 Peb 16 2017 UPower
-rw-r--r-- 1 root root 270 Mei 19 2016 upstart-xsessions
-rw-r--r-- 1 root root 1018 Okt 5 2015 usb_modeswitch.conf
drwxr-xr-x 2 root root 4096 Nov 2 2015 usb_modeswitch.d
-rw-r--r-- 1 root root 51 Peb 19 2016 vdpau_wrapper.cfg
drwxr-xr-x 2 root root 4096 Peb 16 2017 vim
lrwxrwxrwx 1 root root 23 Jul 13 05:30 vtrgb -> /etc/alternatives/vtrgb
-rw-r--r-- 1 root root 4942 Jun 14 2016 wgetrc
drwxr-xr-x 2 root root 4096 Jul 13 06:04 wildmidi
drwxr-xr-x 2 root root 4096 Okt 17 14:30 wpa_supplicant
drwxr-xr-x 11 root root 4096 Agu 1 08:09 X11
drwxr-xr-x 6 root root 4096 Sep 21 22:12 xdg
drwxr-xr-x 2 root root 4096 Okt 15 22:40 xml
-rw-r--r-- 1 root root 477 Jul 20 2015 zsh_command_not_found
mazharrasyad@mazharrasyad:~$
```

## b. Menampilkan posisi direktori saat ini

```
$ pwd
```

Untuk mencetak direktori yang sedang dijalankan, dalam gambar dibawah terlihat direktori yang sedang dijalankan berada di /home/mazharrasyad

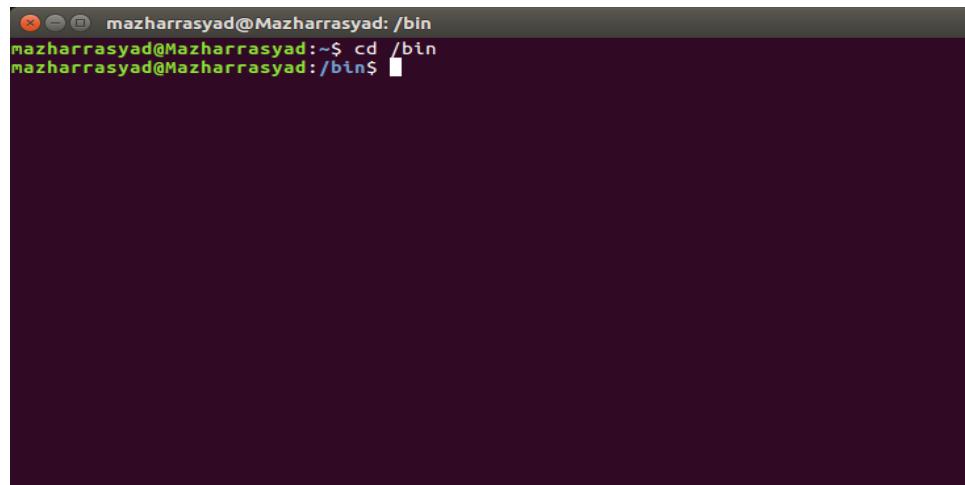
```
mazharrasyad@mazharrasyad: ~
mazharrasyad@mazharrasyad:~$ pwd
/home/mazharrasyad
mazharrasyad@mazharrasyad:~$
```

### c. Pindah direktori

- Menggunakan path absolut

```
$ cd /bin
```

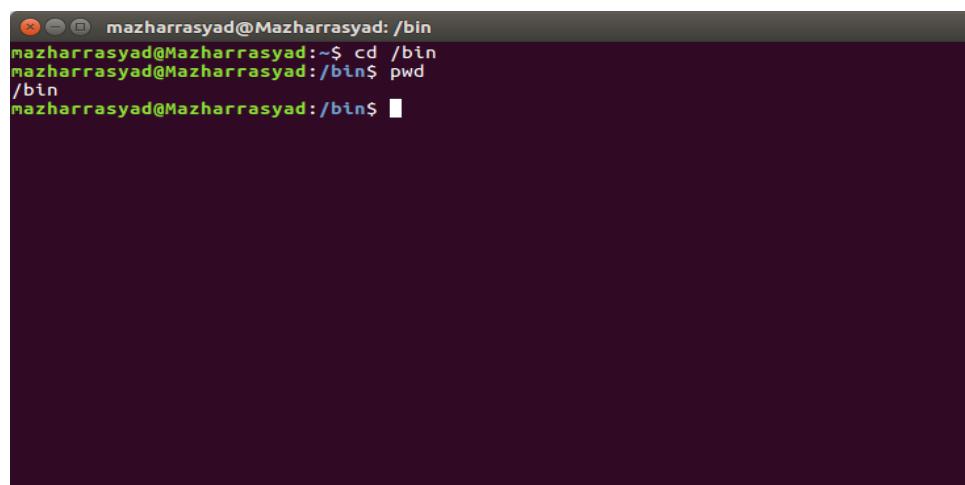
Mengganti direktori sesuai perintah untuk perintah diatas akan mengganti direktori ke /bin



```
mazharryad@mazharryad:~/bin$ cd /bin
mazharryad@mazharryad:~$ cd /bin
mazharryad@mazharryad:/bin$
```

```
$ pwd
```

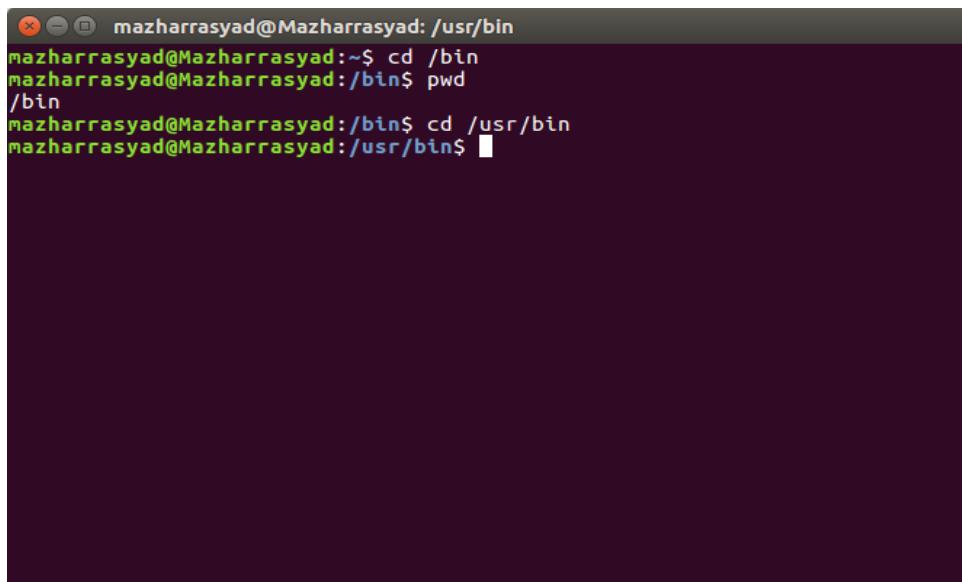
Untuk mencetak direktori yang sedang dijalankan, dalam gambar dibawah terlihat direktori yang sedang dijalankan berada di /bin



```
mazharryad@mazharryad:~/bin$ cd /bin
mazharryad@mazharryad:~$ cd /bin
mazharryad@mazharryad:/bin$ pwd
/bin
mazharryad@mazharryad:/bin$
```

```
$ cd /usr/bin
```

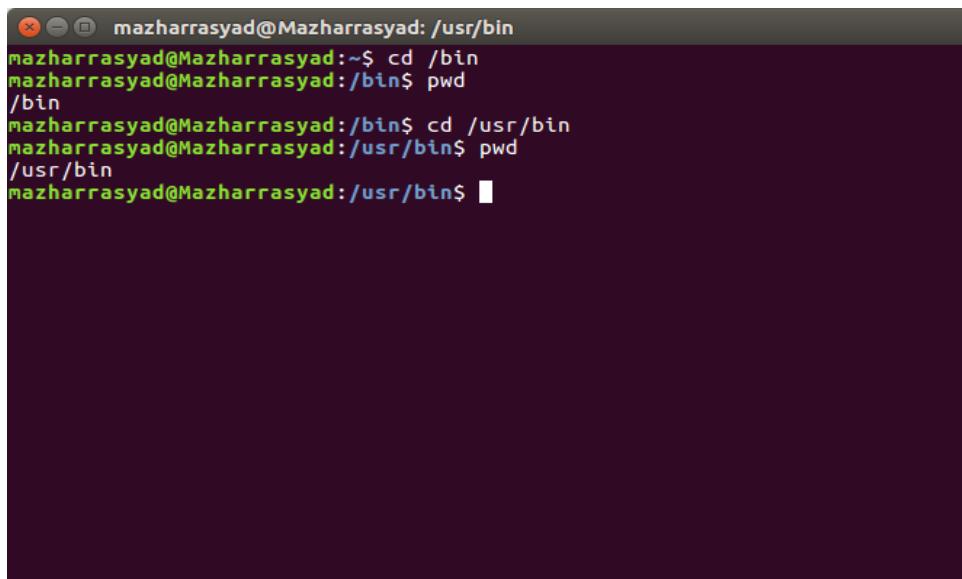
Mengganti direktori sesuai perintah untuk perintah diatas akan mengganti direktori ke /usr/bin



```
mazharrasyad@Mazharrasyad:~/bin$ cd /bin
mazharrasyad@Mazharrasyad:/bin$ pwd
/bin
mazharrasyad@Mazharrasyad:/bin$ cd /usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$ █
```

```
$ pwd
```

Untuk mencetak direktori yang sedang dijalankan, dalam gambar dibawah terlihat direktori yang sedang dijalankan berada di /usr/bin

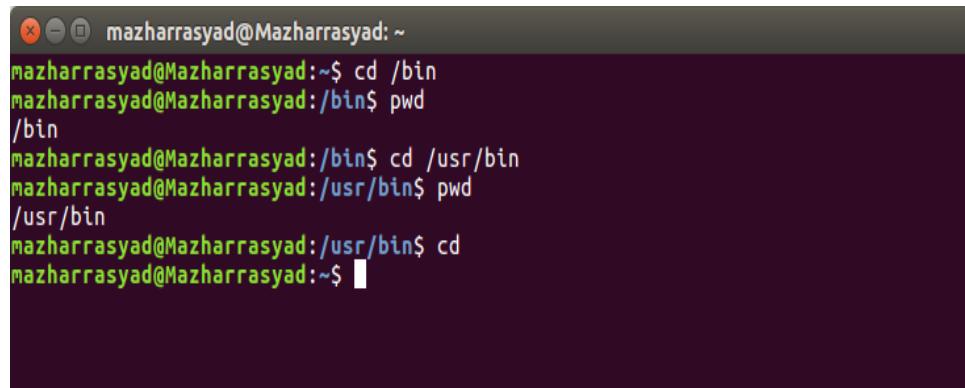


```
mazharrasyad@Mazharrasyad:~/bin$ cd /bin
mazharrasyad@Mazharrasyad:/bin$ pwd
/bin
mazharrasyad@Mazharrasyad:/bin$ cd /usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$ pwd
/usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$ █
```

- Menggunakan path relatif

```
$ cd
```

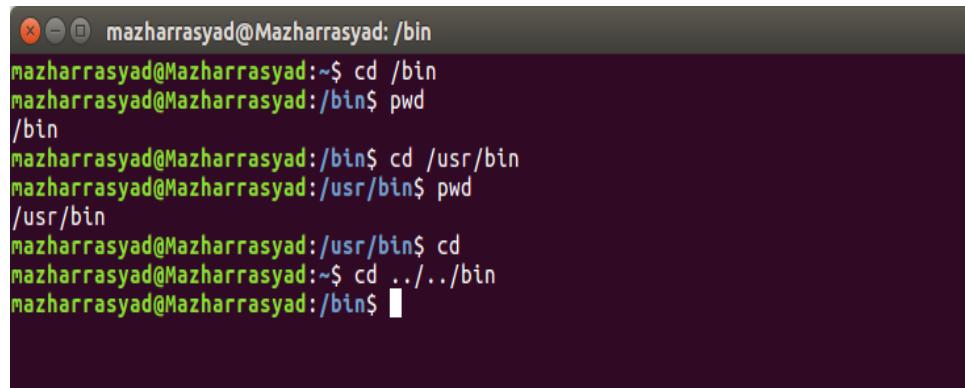
Mengganti direktori sesuai perintah untuk perintah diatas akan mengganti ke direktori awal (default) karena tidak diberikan perintah yang jelas jadi dipindahkan ke direktori default yang sebelumnya di /usr/bin



```
mazharrasyad@mazharrasyad:~$ cd /bin
mazharrasyad@mazharrasyad:/bin$ pwd
/bin
mazharrasyad@mazharrasyad:/bin$ cd /usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$ pwd
/usr/bin
mazharrasyad@mazharrasyad:/usr/bin$ cd
mazharrasyad@mazharrasyad:~$
```

```
$ cd ../../bin
```

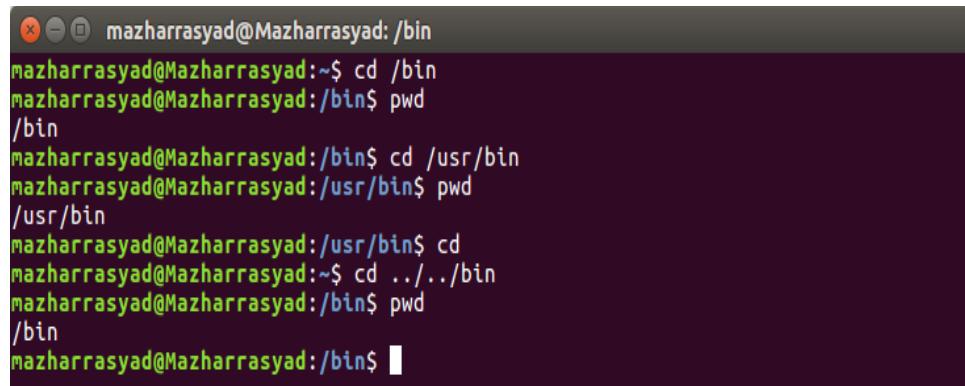
Mengganti direktori sesuai perintah untuk perintah diatas akan mengganti ke direktori ../../bin, maksudnya ../ untuk pindah ke direktori sebelumnya



```
mazharrasyad@mazharrasyad:/bin$ cd /bin
mazharrasyad@mazharrasyad:/bin$ pwd
/bin
mazharrasyad@mazharrasyad:/bin$ cd /usr/bin
mazharrasyad@mazharrasyad:/usr/bin$ pwd
/usr/bin
mazharrasyad@mazharrasyad:/usr/bin$ cd
mazharrasyad@mazharrasyad:~$ cd ../../bin
mazharrasyad@mazharrasyad:/bin$
```

```
$ pwd
```

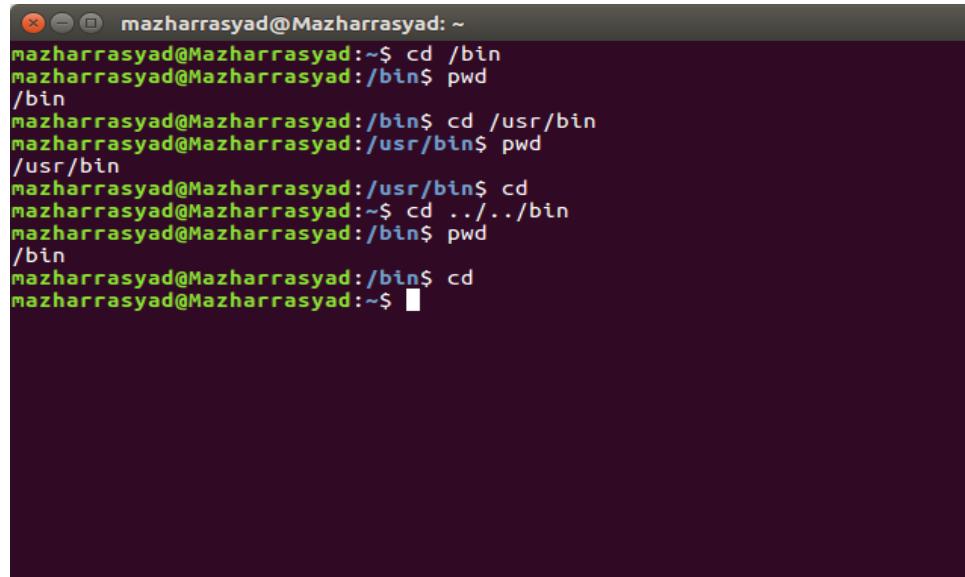
Untuk mencetak direktori yang sedang dijalankan, dalam gambar dibawah terlihat direktori yang sedang dijalankan berada di /bin



```
mazharryad@mazharryad:~/bin
mazharryad@mazharryad:~$ cd /bin
mazharryad@mazharryad:/bin$ pwd
/bin
mazharryad@mazharryad:/bin$ cd /usr/bin
mazharryad@mazharryad:/usr/bin$ pwd
/usr/bin
mazharryad@mazharryad:/usr/bin$ cd ..
mazharryad@mazharryad:/bin$ pwd
/bin
mazharryad@mazharryad:/bin$
```

```
$ cd
```

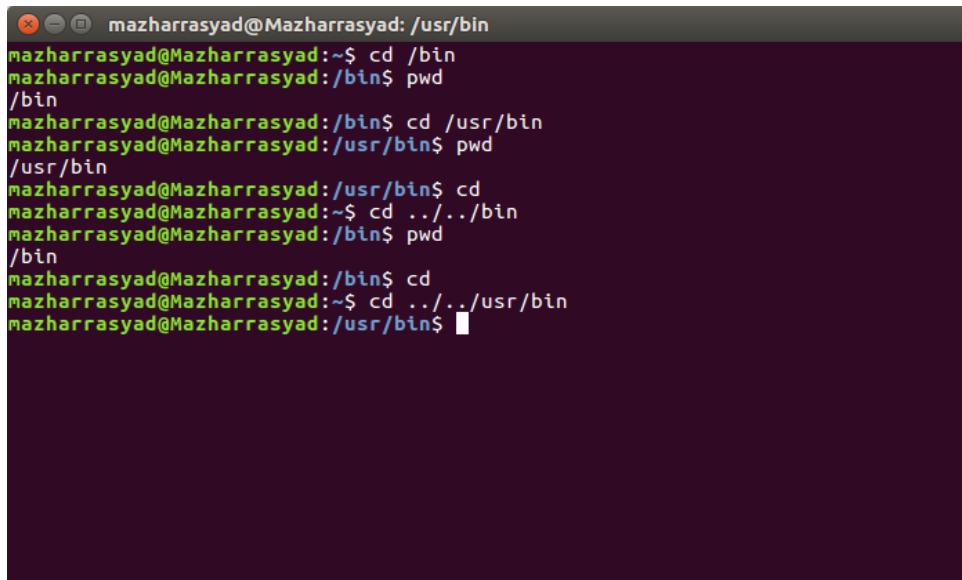
Mengganti direktori sesuai perintah untuk perintah diatas akan mengganti ke direktori awal (default) karena tidak diberikan perintah yang jelas jadi dipindahkan ke direktori default yang sebelumnya dari /bin



```
mazharryad@mazharryad:~
mazharryad@mazharryad:~$ cd /bin
mazharryad@mazharryad:/bin$ pwd
/bin
mazharryad@mazharryad:/bin$ cd /usr/bin
mazharryad@mazharryad:/usr/bin$ pwd
/usr/bin
mazharryad@mazharryad:/usr/bin$ cd ..
mazharryad@mazharryad:/bin$ pwd
/bin
mazharryad@mazharryad:/bin$ cd
mazharryad@mazharryad:~$
```

```
$ cd ../../usr/bin
```

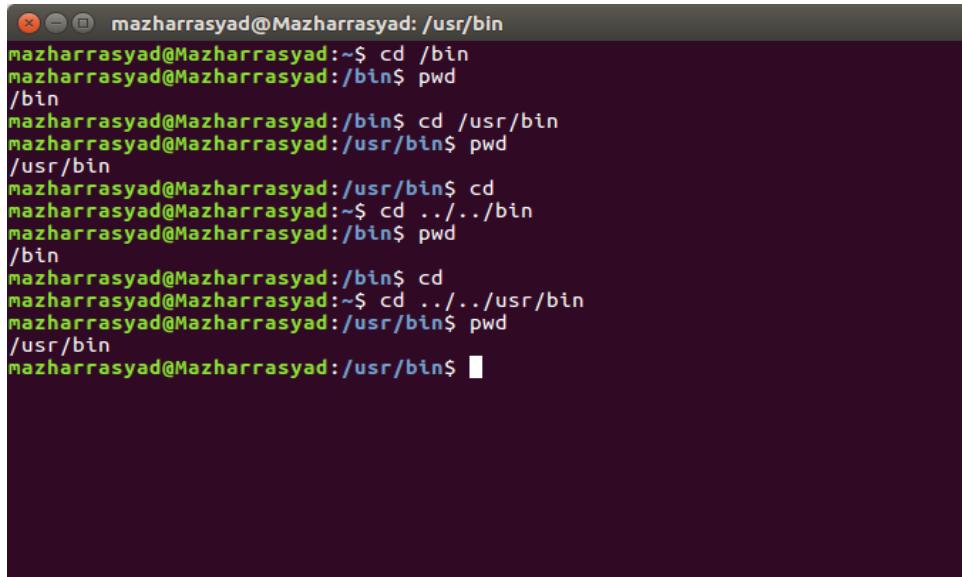
Mengganti direktori sesuai perintah untuk perintah diatas akan mengganti direktori ke ../../usr/bin, maksudnya ../ untuk pindah ke direktori sebelumnya



```
mazharrasyad@Mazharrasyad: /usr/bin
mazharrasyad@Mazharrasyad:~$ cd /bin
mazharrasyad@Mazharrasyad:/bin$ pwd
/bin
mazharrasyad@Mazharrasyad:/bin$ cd /usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$ pwd
/usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$ cd
mazharrasyad@Mazharrasyad:~$ cd ../../bin
mazharrasyad@Mazharrasyad:/bin$ pwd
/bin
mazharrasyad@Mazharrasyad:/bin$ cd
mazharrasyad@Mazharrasyad:~$ cd ../../.. /usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$
```

```
$ pwd
```

Untuk mencetak direktori yang sedang dijalankan, dalam gambar dibawah terlihat direktori yang sedang dijalankan berada di /usr/bin

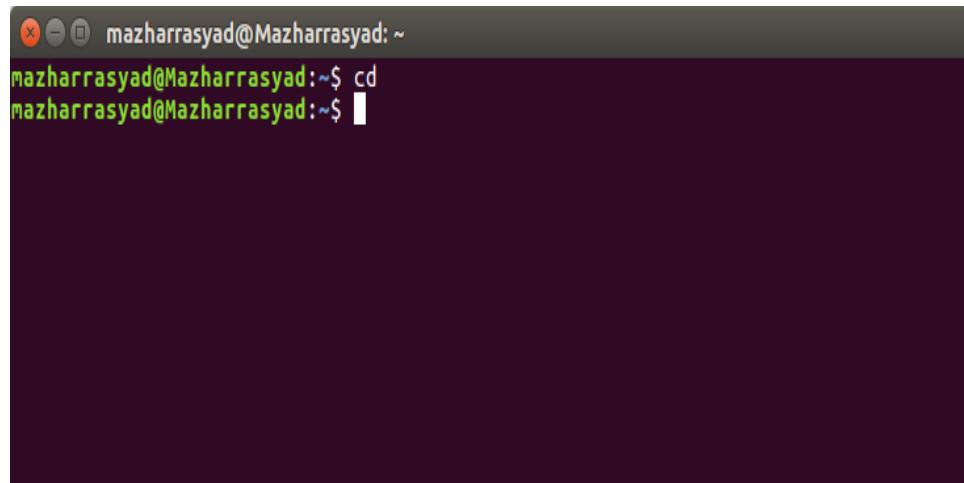


```
mazharrasyad@Mazharrasyad: /usr/bin
mazharrasyad@Mazharrasyad:~$ cd /bin
mazharrasyad@Mazharrasyad:/bin$ pwd
/bin
mazharrasyad@Mazharrasyad:/bin$ cd /usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$ pwd
/usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$ cd
mazharrasyad@Mazharrasyad:~$ cd ../../bin
mazharrasyad@Mazharrasyad:/bin$ pwd
/bin
mazharrasyad@Mazharrasyad:/bin$ cd
mazharrasyad@Mazharrasyad:~$ cd ../../.. /usr/bin
mazharrasyad@Mazharrasyad:/usr/bin$
```

#### d. Membuat direktori

```
$ cd
```

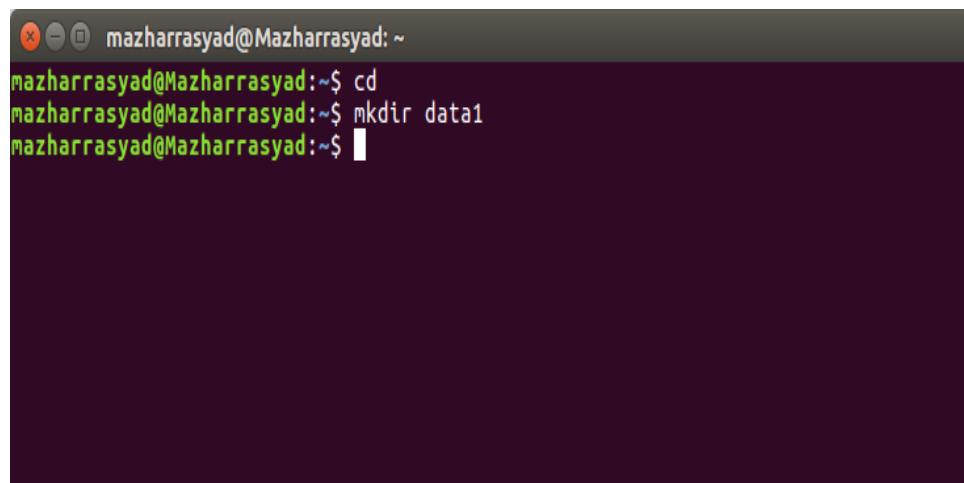
Mengganti direktori sesuai perintah untuk perintah diatas akan mengganti ke direktori awal (default) karena diberikan perintah yang jelas jadi dipindahkan ke direktori default



A screenshot of a terminal window titled "mazharryad@mazharryad: ~". The user has typed the command "cd" at the prompt. The terminal is dark-themed with white text.

```
$ mkdir data1
```

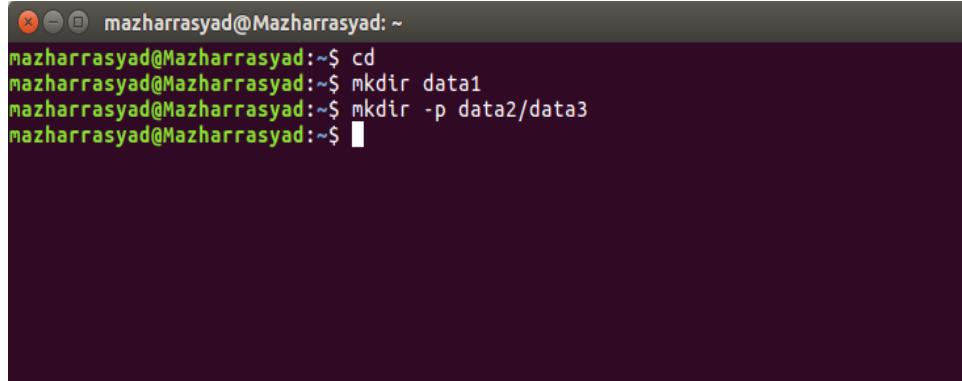
Membuat direktori dengan nama data1



A screenshot of a terminal window titled "mazharryad@mazharryad: ~". The user has first entered "cd" and then "mkdir data1" at the prompt. The terminal is dark-themed with white text.

```
$ mkdir -p data2/data3
```

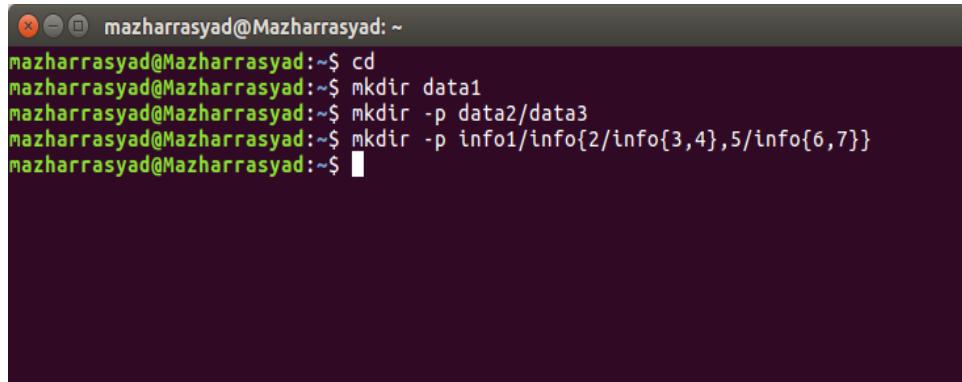
Membuat direktori dengan option parent untuk membuat direktori dengan bercabang yang diberikan nama data2/data3 artinya membuat direktori data3 didalam direktori data2



```
mazharryad@mazharryad:~$ cd  
mazharryad@mazharryad:~$ mkdir data1  
mazharryad@mazharryad:~$ mkdir -p data2/data3  
mazharryad@mazharryad:~$
```

```
$ mkdir -p info1/info{2/info{3,4},5/info{6,7}}
```

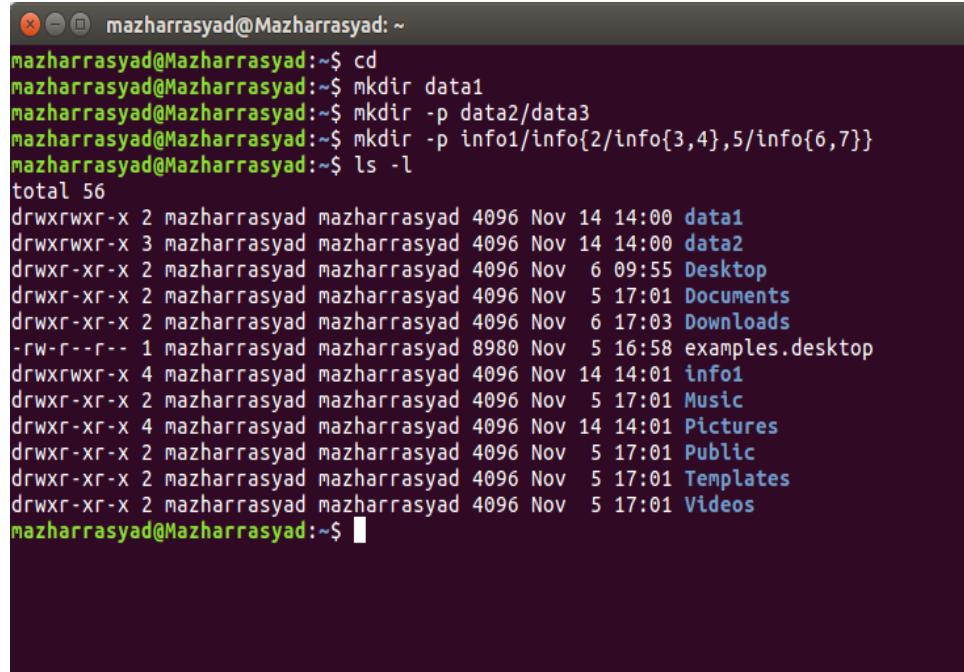
Membuat direktori bercabang dari info 1 - 7



```
mazharryad@mazharryad:~$ cd  
mazharryad@mazharryad:~$ mkdir data1  
mazharryad@mazharryad:~$ mkdir -p data2/data3  
mazharryad@mazharryad:~$ mkdir -p info1/info{2/info{3,4},5/info{6,7}}  
mazharryad@mazharryad:~$
```

```
$ ls -l
```

Mendaftarkan file atau direktori dengan detail

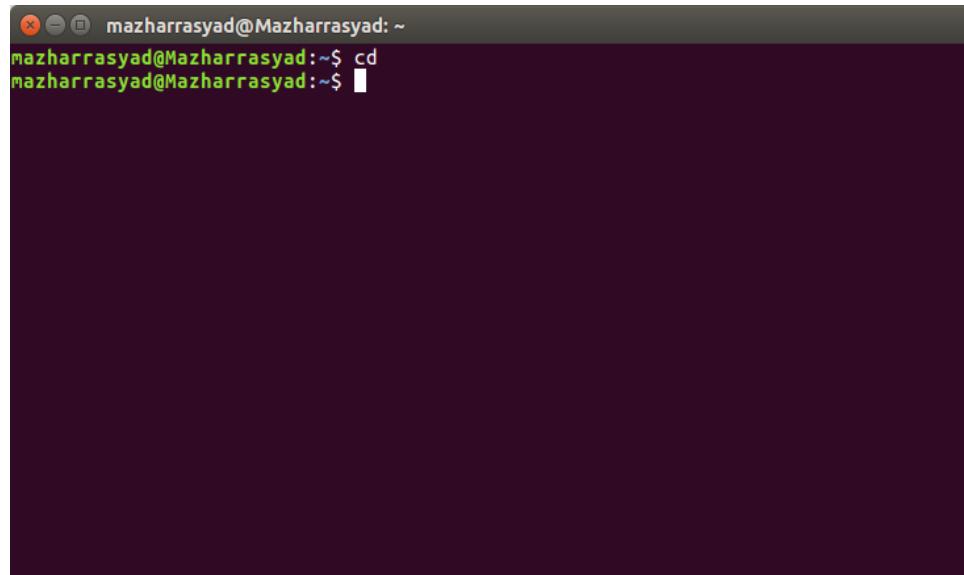


```
mazharryad@mazharryad:~$ cd
mazharryad@mazharryad:~$ mkdir data1
mazharryad@mazharryad:~$ mkdir -p data2/data3
mazharryad@mazharryad:~$ mkdir -p info1/info{2/info{3,4},5/info{6,7}}
mazharryad@mazharryad:~$ ls -l
total 56
drwxrwxr-x 2 mazharryad mazharryad 4096 Nov 14 14:00 data1
drwxrwxr-x 3 mazharryad mazharryad 4096 Nov 14 14:00 data2
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharryad mazharryad 8980 Nov  5 16:58 examples.desktop
drwxrwxr-x 4 mazharryad mazharryad 4096 Nov 14 14:01 info1
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Music
drwxr-xr-x 4 mazharryad mazharryad 4096 Nov 14 14:01 Pictures
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Videos
mazharryad@mazharryad:~$
```

#### e. Menghapus direktori yang kosong

```
$ cd
```

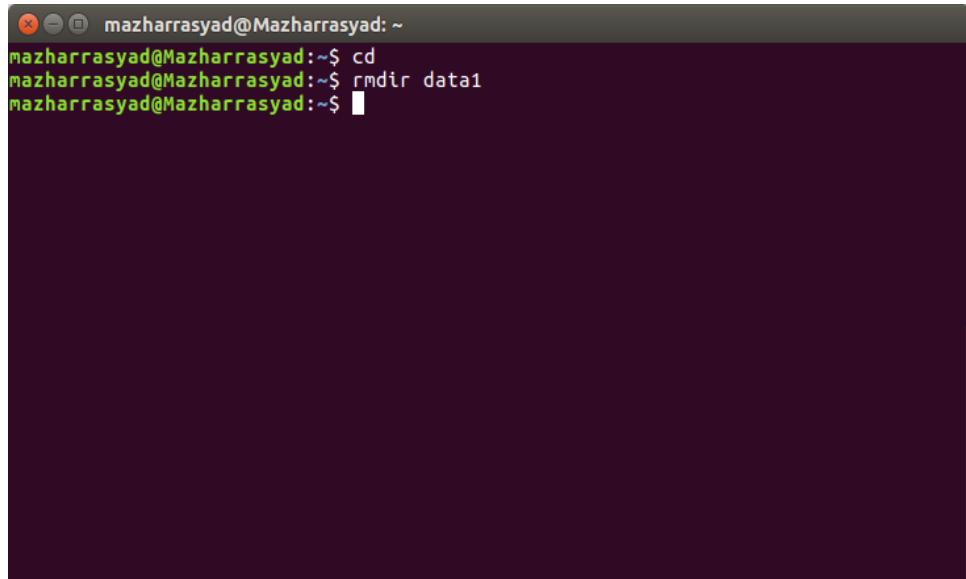
Mengubah Direktori



```
mazharryad@mazharryad:~$ cd
mazharryad@mazharryad:~$
```

```
$ rmdir data1
```

Menghapus direktori dengan nama data1

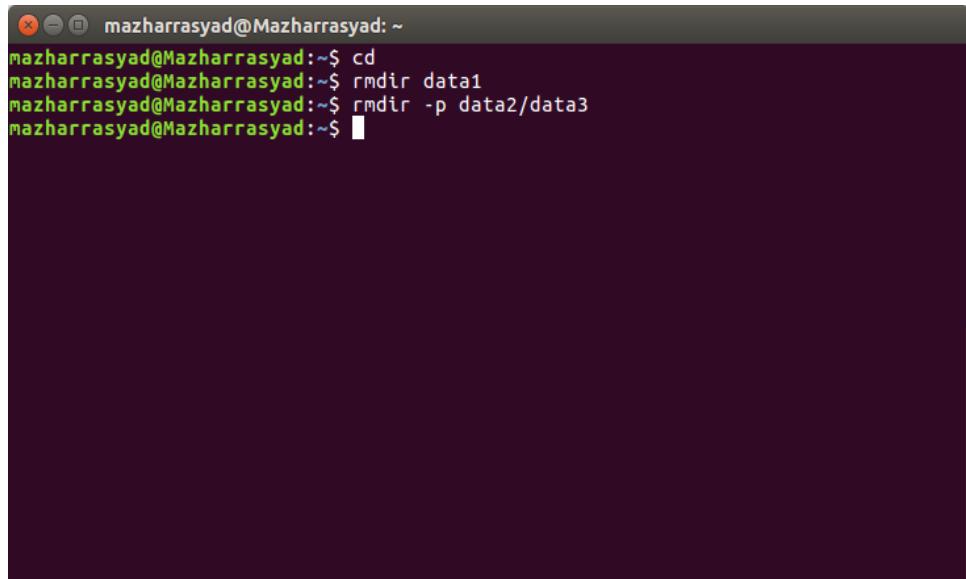


```
mazharrasyad@mazharrasyad: ~
mazharrasyad@mazharrasyad:~$ cd
mazharrasyad@mazharrasyad:~$ rmdir data1
mazharrasyad@mazharrasyad:~$
```

A screenshot of a terminal window titled "mazharrasyad@mazharrasyad: ~". The window shows a command-line interface with the user's name, IP address, and current directory. The user has entered the command "rmdir data1" and pressed enter. The terminal is dark-themed with white text.

```
$ rmdir -p data2/data3
```

Menghapus direktori data3 serta data2 sekaligus

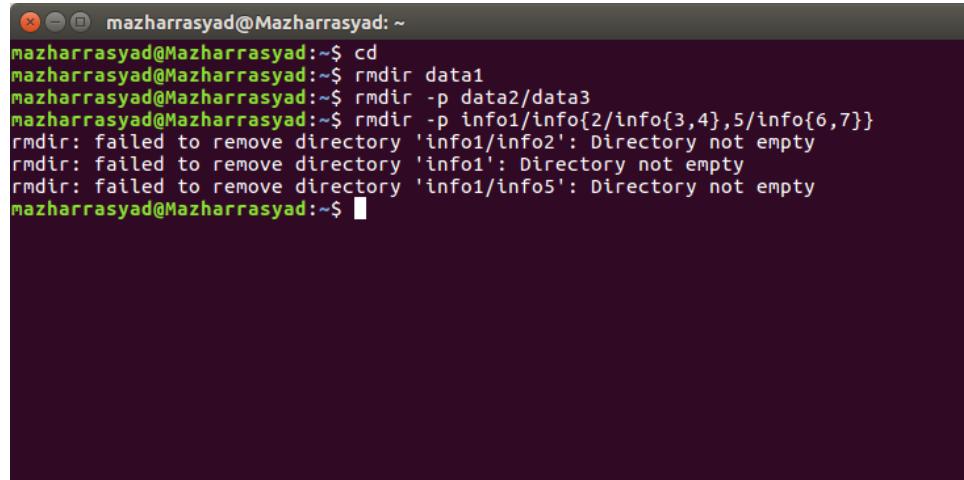


```
mazharrasyad@mazharrasyad: ~
mazharrasyad@mazharrasyad:~$ cd
mazharrasyad@mazharrasyad:~$ rmdir data1
mazharrasyad@mazharrasyad:~$ rmdir -p data2/data3
mazharrasyad@mazharrasyad:~$
```

A screenshot of a terminal window titled "mazharrasyad@mazharrasyad: ~". The window shows a command-line interface with the user's name, IP address, and current directory. The user has entered the command "rmdir -p data2/data3" and pressed enter. The terminal is dark-themed with white text.

```
$ rmdir -p info1/info{2/info{3,4},5/info{6,7}}
```

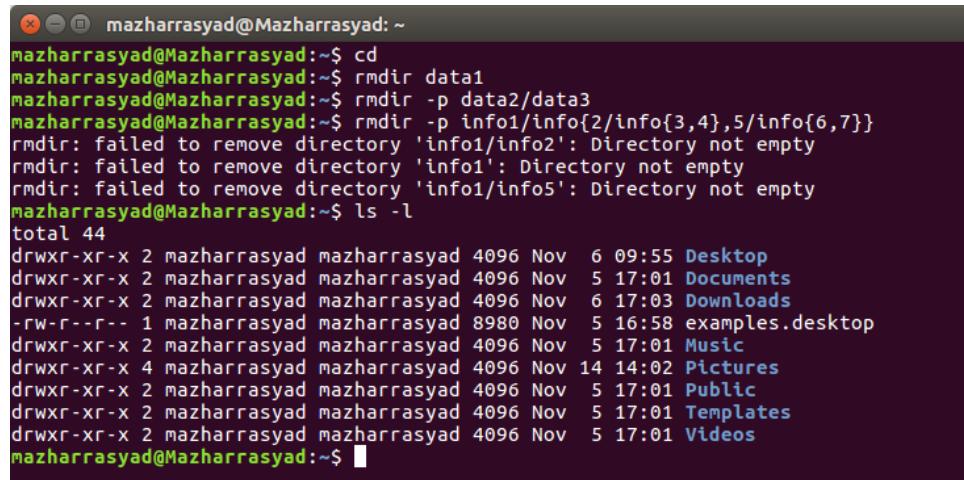
Menghapus direktori dari info 1 – 7, pada gambar dibawah terlihat error tetapi perintahnya tetap dieksekusi



```
mazharrasyad@mazharrasyad:~$ cd  
mazharrasyad@mazharrasyad:~$ rmdir data1  
mazharrasyad@mazharrasyad:~$ rmdir -p data2/data3  
mazharrasyad@mazharrasyad:~$ rmdir -p info1/info{2/info{3,4},5/info{6,7}}  
rmdir: failed to remove directory 'info1/info2': Directory not empty  
rmdir: failed to remove directory 'info1': Directory not empty  
rmdir: failed to remove directory 'info1/info5': Directory not empty  
mazharrasyad@mazharrasyad:~$
```

```
$ ls -l
```

Mendaftarkan file atau direktori dengan detail



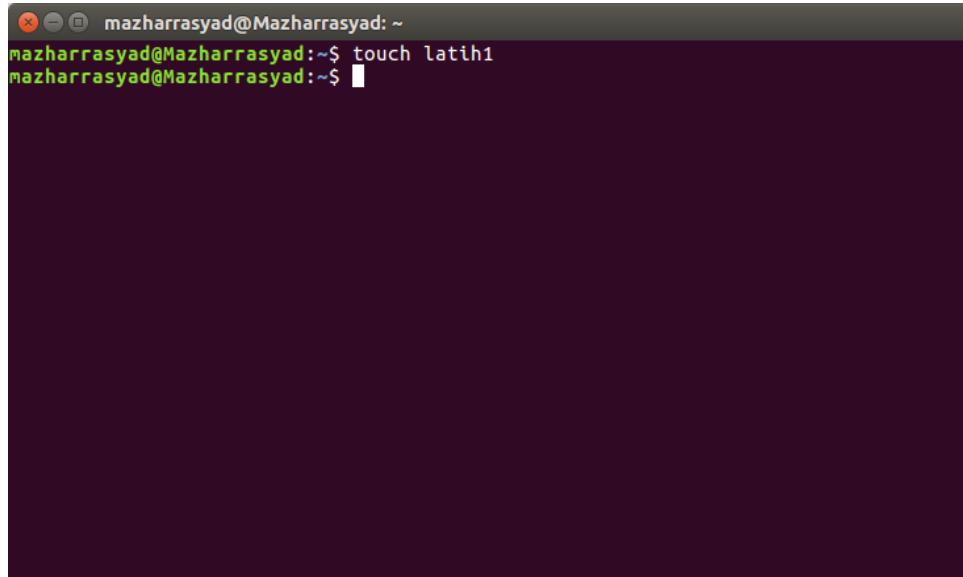
```
mazharrasyad@mazharrasyad:~$ cd  
mazharrasyad@mazharrasyad:~$ rmdir data1  
mazharrasyad@mazharrasyad:~$ rmdir -p data2/data3  
mazharrasyad@mazharrasyad:~$ rmdir -p info1/info{2/info{3,4},5/info{6,7}}  
rmdir: failed to remove directory 'info1/info2': Directory not empty  
rmdir: failed to remove directory 'info1': Directory not empty  
rmdir: failed to remove directory 'info1/info5': Directory not empty  
mazharrasyad@mazharrasyad:~$ ls -l  
total 44  
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 09:55 Desktop  
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Documents  
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 17:03 Downloads  
-rw-r--r-- 1 mazharrasyad mazharrasyad 8980 Nov  5 16:58 examples.desktop  
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Music  
drwxr-xr-x 4 mazharrasyad mazharrasyad 4096 Nov 14 14:02 Pictures  
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Public  
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Templates  
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Videos  
mazharrasyad@mazharrasyad:~$
```

## 2. Operasi File/Direktori

### a. Menyalin file/direktori

```
$ touch latih1
```

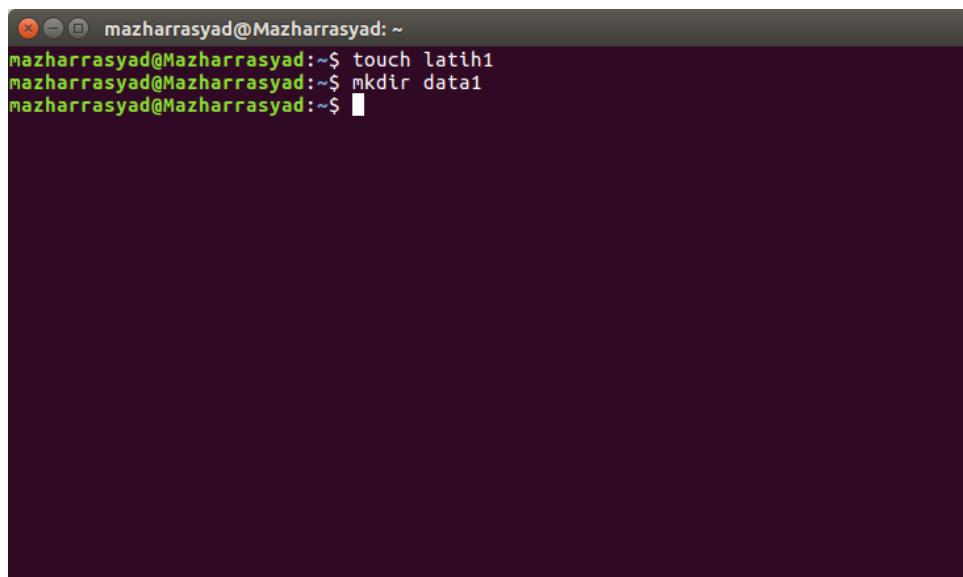
Membuat file dengan nama latih1



```
mazharrasyad@mazharrasyad: ~
mazharrasyad@mazharrasyad:~$ touch latih1
mazharrasyad@mazharrasyad:~$
```

```
$ mkdir data1
```

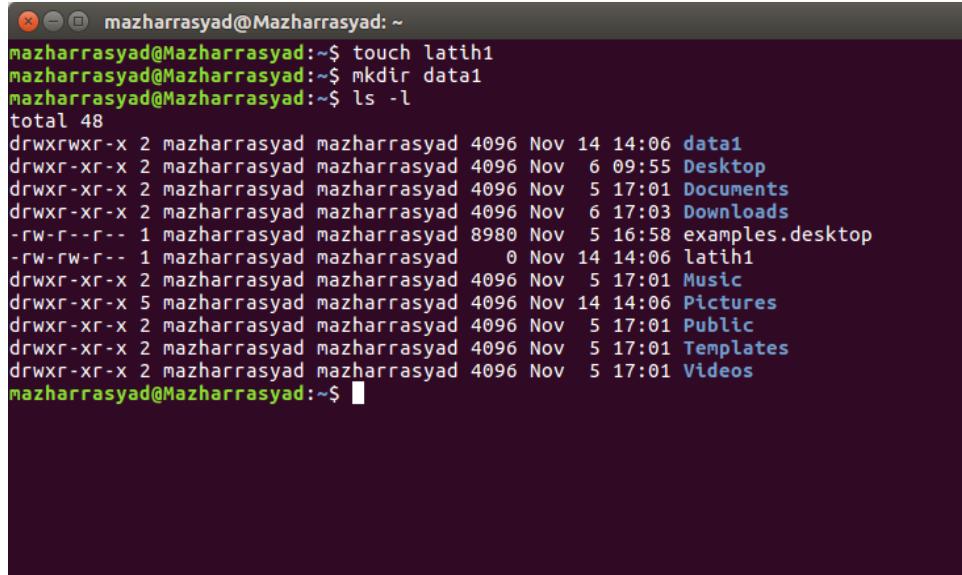
Membuat direktori dengan nama data1



```
mazharrasyad@mazharrasyad: ~
mazharrasyad@mazharrasyad:~$ touch latih1
mazharrasyad@mazharrasyad:~$ mkdir data1
mazharrasyad@mazharrasyad:~$
```

```
$ ls -l
```

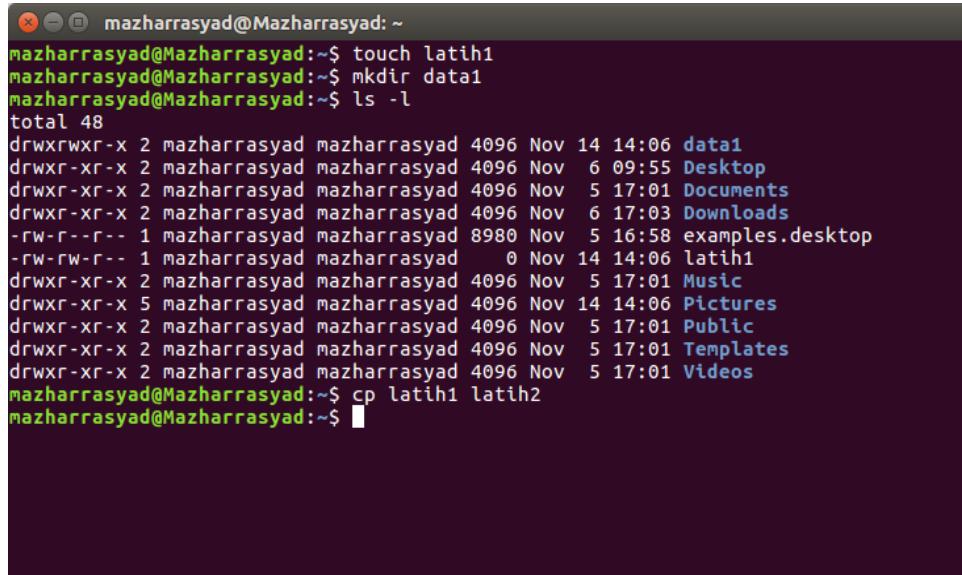
Mendaftarkan file atau direktori dengan detail



```
mazharrasyad@mazharrasyad:~$ touch latih1
mazharrasyad@mazharrasyad:~$ mkdir data1
mazharrasyad@mazharrasyad:~$ ls -l
total 48
drwxrwxr-x 2 mazharrasyad mazharrasyad 4096 Nov 14 14:06 data1
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharrasyad mazharrasyad 8980 Nov  5 16:58 examples.desktop
-rw-rw-r-- 1 mazharrasyad mazharrasyad     0 Nov 14 14:06 latih1
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Music
drwxr-xr-x 5 mazharrasyad mazharrasyad 4096 Nov 14 14:06 Pictures
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Videos
mazharrasyad@mazharrasyad:~$
```

```
$ cp latih1 latih2
```

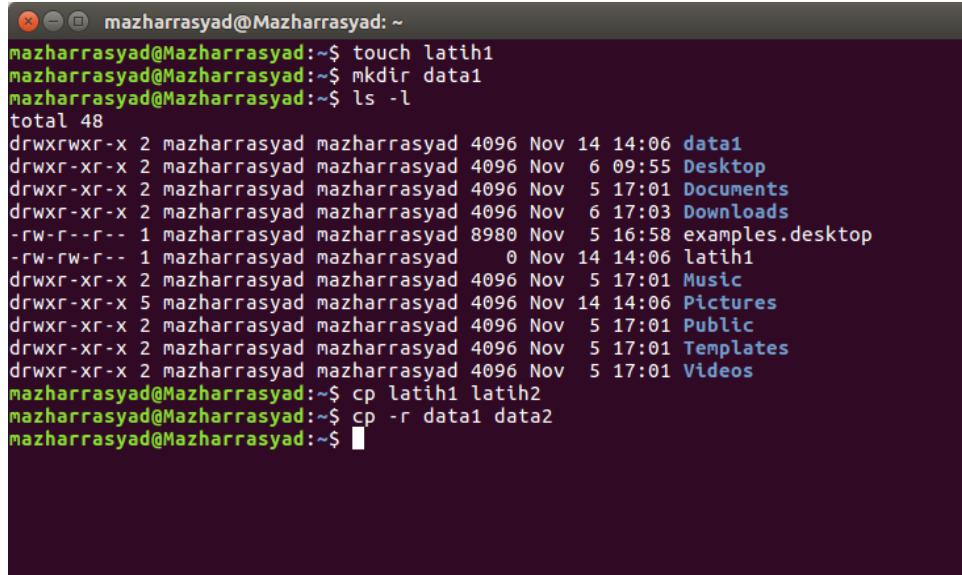
Menyalin file latih1 menjadi file baru dengan nama latih2



```
mazharrasyad@mazharrasyad:~$ touch latih1
mazharrasyad@mazharrasyad:~$ mkdir data1
mazharrasyad@mazharrasyad:~$ ls -l
total 48
drwxrwxr-x 2 mazharrasyad mazharrasyad 4096 Nov 14 14:06 data1
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharrasyad mazharrasyad 8980 Nov  5 16:58 examples.desktop
-rw-rw-r-- 1 mazharrasyad mazharrasyad     0 Nov 14 14:06 latih1
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Music
drwxr-xr-x 5 mazharrasyad mazharrasyad 4096 Nov 14 14:06 Pictures
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Videos
mazharrasyad@mazharrasyad:~$ cp latih1 latih2
mazharrasyad@mazharrasyad:~$
```

```
$ cp -r data1 data2
```

Menyalin direktori data1 dengan menggunakan option -r untuk direktori baru data2

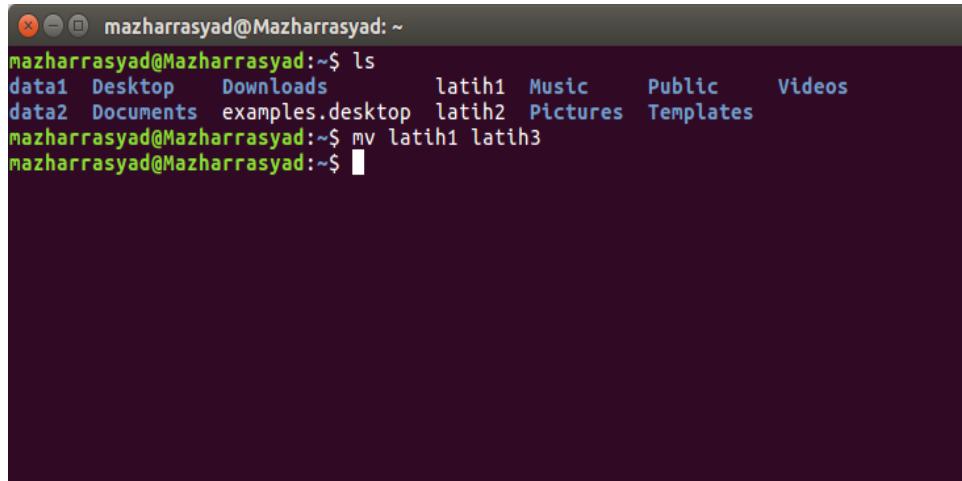


```
mazharrasyad@mazharrasyad:~$ touch latih1
mazharrasyad@mazharrasyad:~$ mkdir data1
mazharrasyad@mazharrasyad:~$ ls -l
total 48
drwxrwxr-x 2 mazharrasyad mazharrasyad 4096 Nov 14 14:06 data1
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharrasyad mazharrasyad 8980 Nov  5 16:58 examples.desktop
-rw-rw-r-- 1 mazharrasyad mazharrasyad     0 Nov 14 14:06 latih1
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Music
drwxr-xr-x 5 mazharrasyad mazharrasyad 4096 Nov 14 14:06 Pictures
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Videos
mazharrasyad@mazharrasyad:~$ cp latih1 latih2
mazharrasyad@mazharrasyad:~$ cp -r data1 data2
mazharrasyad@mazharrasyad:~$
```

### b. Memindahkan atau mengganti nama file/direktori

```
$ mv latih1 latih3
```

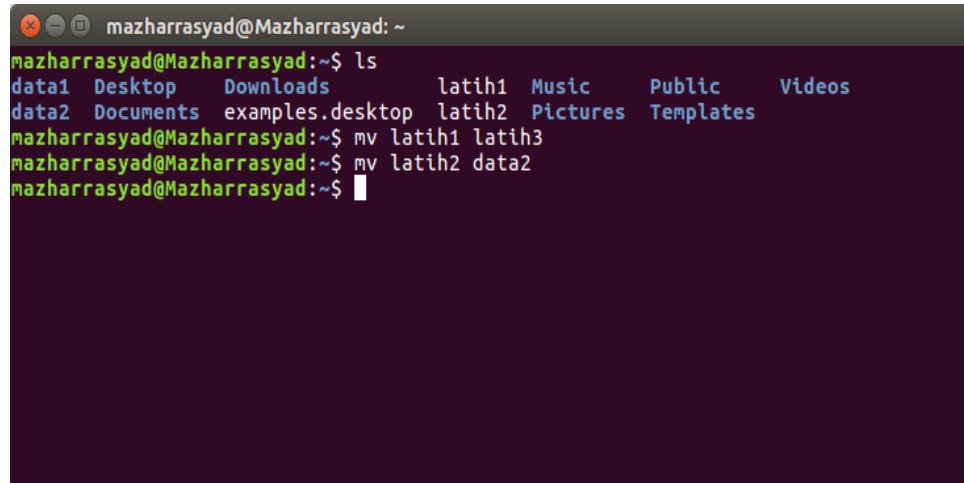
Mengubah nama file latih1 menjadi latih3



```
mazharrasyad@mazharrasyad:~$ ls
data1 Desktop  Downloads      latih1  Music    Public    Videos
data2 Documents examples.desktop  latih2  Pictures  Templates
mazharrasyad@mazharrasyad:~$ mv latih1 latih3
mazharrasyad@mazharrasyad:~$
```

```
$ mv latih2 data2
```

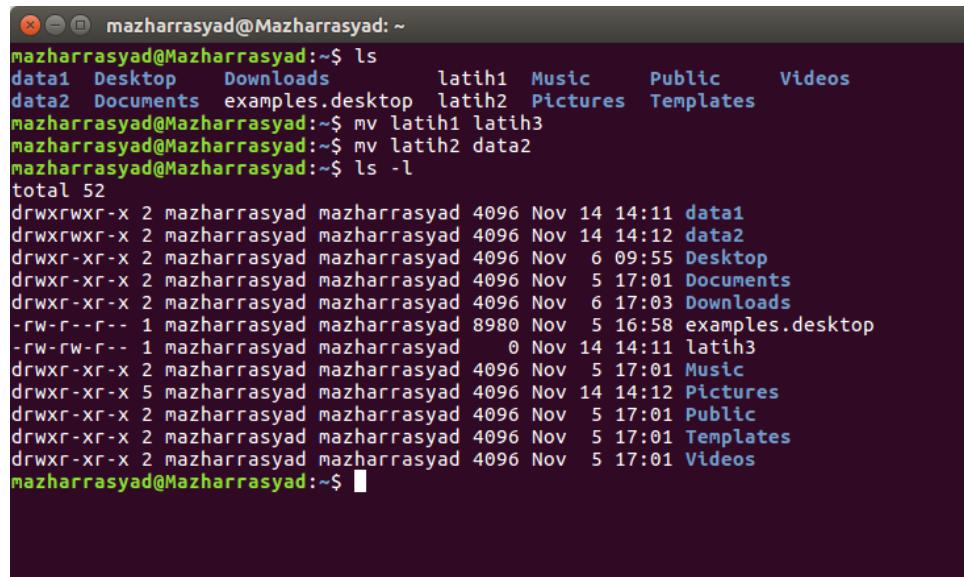
Memindahkan file latih2 ke direktori data2



```
mazharrasyad@mazharrasyad:~$ ls
data1 Desktop Downloads latih1 Music Public Videos
data2 Documents examples.desktop latih2 Pictures Templates
mazharrasyad@mazharrasyad:~$ mv latih1 latih3
mazharrasyad@mazharrasyad:~$ mv latih2 data2
mazharrasyad@mazharrasyad:~$
```

```
$ ls -l
```

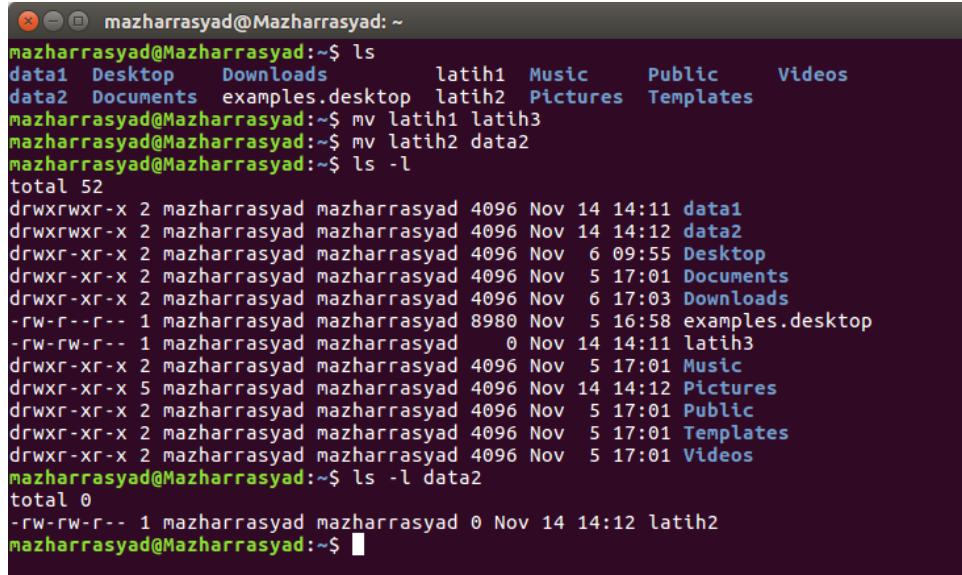
Mendaftarkan file atau direktori dengan detail



```
mazharrasyad@mazharrasyad:~$ ls
data1 Desktop Downloads latih1 Music Public Videos
data2 Documents examples.desktop latih2 Pictures Templates
mazharrasyad@mazharrasyad:~$ mv latih1 latih3
mazharrasyad@mazharrasyad:~$ mv latih2 data2
mazharrasyad@mazharrasyad:~$ ls -l
total 52
drwxrwxr-x 2 mazharrasyad mazharrasyad 4096 Nov 14 14:11 data1
drwxrwxr-x 2 mazharrasyad mazharrasyad 4096 Nov 14 14:12 data2
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharrasyad mazharrasyad 8980 Nov  5 16:58 examples.desktop
-rw-rw-r-- 1 mazharrasyad mazharrasyad     0 Nov 14 14:11 latih3
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Music
drwxr-xr-x 5 mazharrasyad mazharrasyad 4096 Nov 14 14:12 Pictures
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Videos
mazharrasyad@mazharrasyad:~$
```

```
$ ls -l data2
```

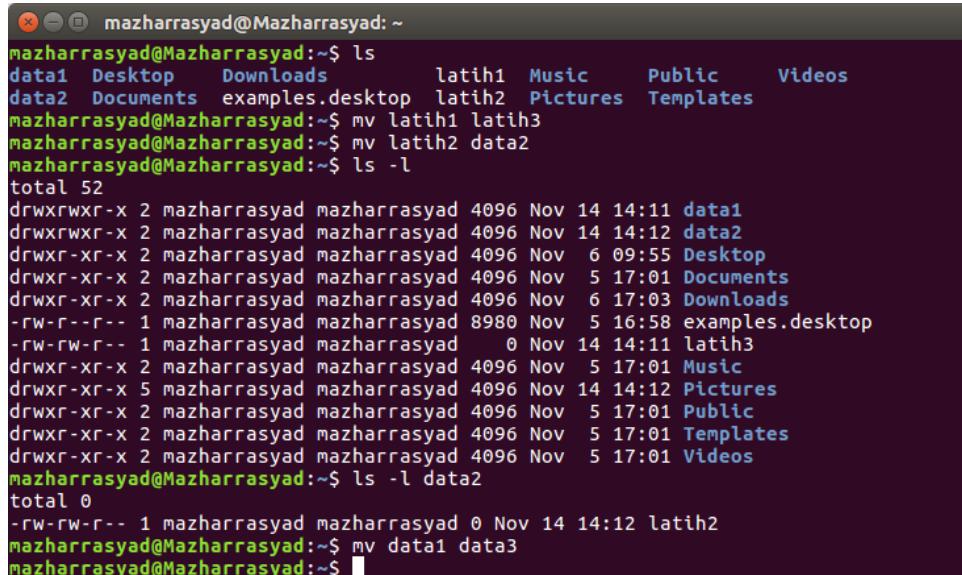
Mendaftarkan file atau direktori dengan detail didalam direktori data2



```
mazharryad@mazharryad:~$ ls
data1 Desktop Downloads latih1 Music Public Videos
data2 Documents examples.desktop latih2 Pictures Templates
mazharryad@mazharryad:~$ mv latih1 latih3
mazharryad@mazharryad:~$ mv latih2 data2
mazharryad@mazharryad:~$ ls -l
total 52
drwxrwxr-x 2 mazharryad mazharryad 4096 Nov 14 14:11 data1
drwxrwxr-x 2 mazharryad mazharryad 4096 Nov 14 14:12 data2
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 6 09:55 Desktop
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Documents
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 6 17:03 Downloads
-rw-r--r-- 1 mazharryad mazharryad 8980 Nov 5 16:58 examples.desktop
-rw-rw-r-- 1 mazharryad mazharryad 0 Nov 14 14:11 latih3
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Music
drwxr-xr-x 5 mazharryad mazharryad 4096 Nov 14 14:12 Pictures
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Public
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Templates
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Videos
mazharryad@mazharryad:~$ ls -l data2
total 0
-rw-rw-r-- 1 mazharryad mazharryad 0 Nov 14 14:12 latih2
mazharryad@mazharryad:~$
```

```
$ mv data1 data3
```

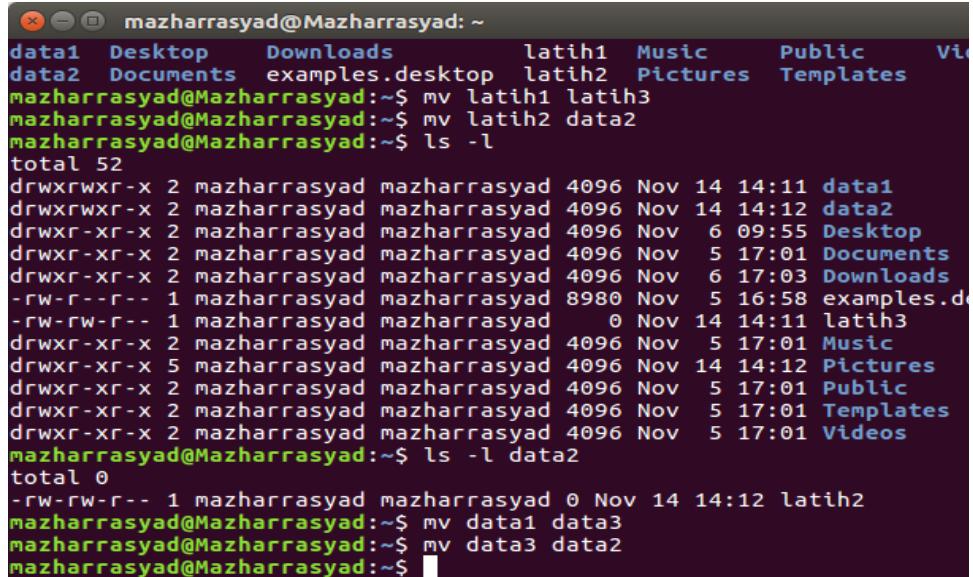
Mengubah nama direktori data1 menjadi data3



```
mazharryad@mazharryad:~$ ls
data1 Desktop Downloads latih1 Music Public Videos
data2 Documents examples.desktop latih2 Pictures Templates
mazharryad@mazharryad:~$ mv latih1 latih3
mazharryad@mazharryad:~$ mv latih2 data2
mazharryad@mazharryad:~$ ls -l
total 52
drwxrwxr-x 2 mazharryad mazharryad 4096 Nov 14 14:11 data1
drwxrwxr-x 2 mazharryad mazharryad 4096 Nov 14 14:12 data2
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 6 09:55 Desktop
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Documents
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 6 17:03 Downloads
-rw-r--r-- 1 mazharryad mazharryad 8980 Nov 5 16:58 examples.desktop
-rw-rw-r-- 1 mazharryad mazharryad 0 Nov 14 14:11 latih3
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Music
drwxr-xr-x 5 mazharryad mazharryad 4096 Nov 14 14:12 Pictures
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Public
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Templates
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov 5 17:01 Videos
mazharryad@mazharryad:~$ ls -l data2
total 0
-rw-rw-r-- 1 mazharryad mazharryad 0 Nov 14 14:12 latih2
mazharryad@mazharryad:~$ mv data1 data3
mazharryad@mazharryad:~$
```

```
$ mv data3 data2
```

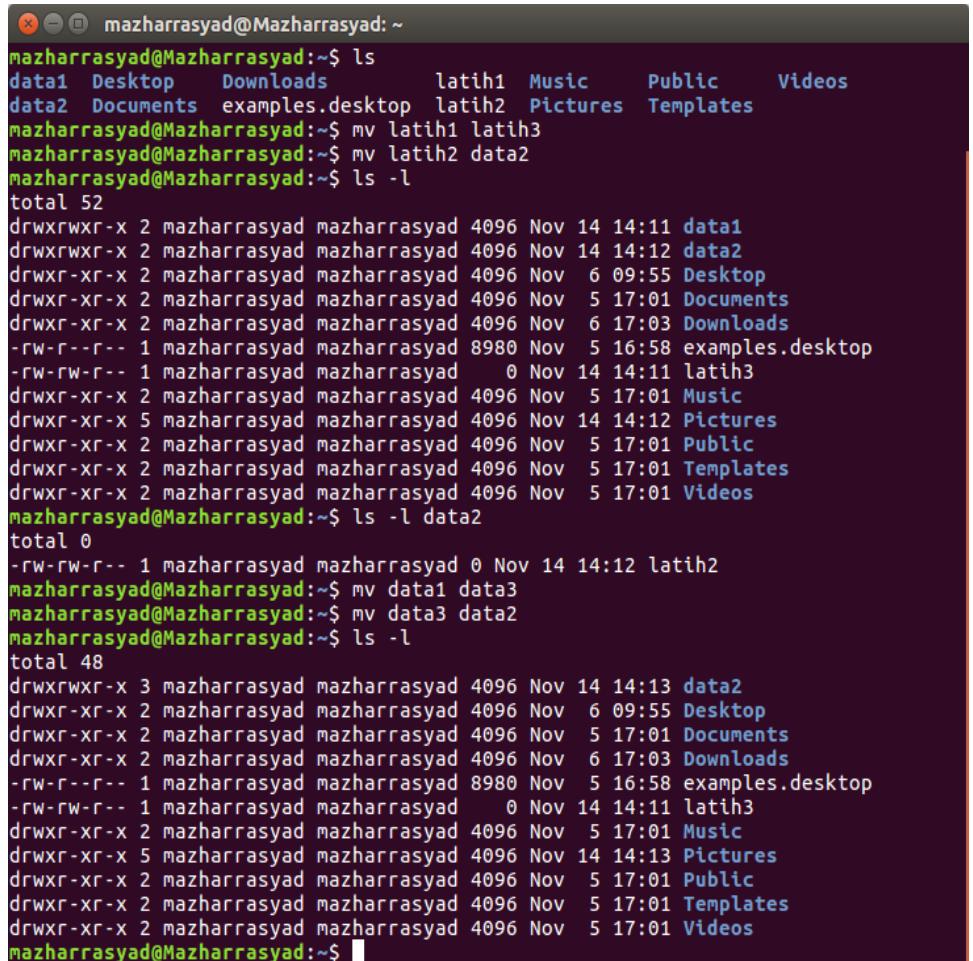
Memindahkan direktori data3 ke dalam direktori data2



```
mazharrysyad@Mazharrysyad: ~
data1 Desktop Downloads latih1 Music Public Videos
data2 Documents examples.desktop latih2 Pictures Templates
mazharrysyad@Mazharrysyad:~$ mv latih1 latih3
mazharrysyad@Mazharrysyad:~$ mv latih2 data2
mazharrysyad@Mazharrysyad:~$ ls -l
total 52
drwxrwxr-x 2 mazharrysyad mazharrysyad 4096 Nov 14 14:11 data1
drwxrwxr-x 2 mazharrysyad mazharrysyad 4096 Nov 14 14:12 data2
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 6 09:55 Desktop
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Documents
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 6 17:03 Downloads
-rw-r--r-- 1 mazharrysyad mazharrysyad 8980 Nov 5 16:58 examples.desktop
-rw-rw-r-- 1 mazharrysyad mazharrysyad 0 Nov 14 14:11 latih3
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Music
drwxr-xr-x 5 mazharrysyad mazharrysyad 4096 Nov 14 14:12 Pictures
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Public
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Templates
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Videos
mazharrysyad@Mazharrysyad:~$ ls -l data2
total 0
-rw-rw-r-- 1 mazharrysyad mazharrysyad 0 Nov 14 14:12 latih2
mazharrysyad@Mazharrysyad:~$ mv data1 data3
mazharrysyad@Mazharrysyad:~$ mv data3 data2
mazharrysyad@Mazharrysyad:~$
```

```
$ ls -l
```

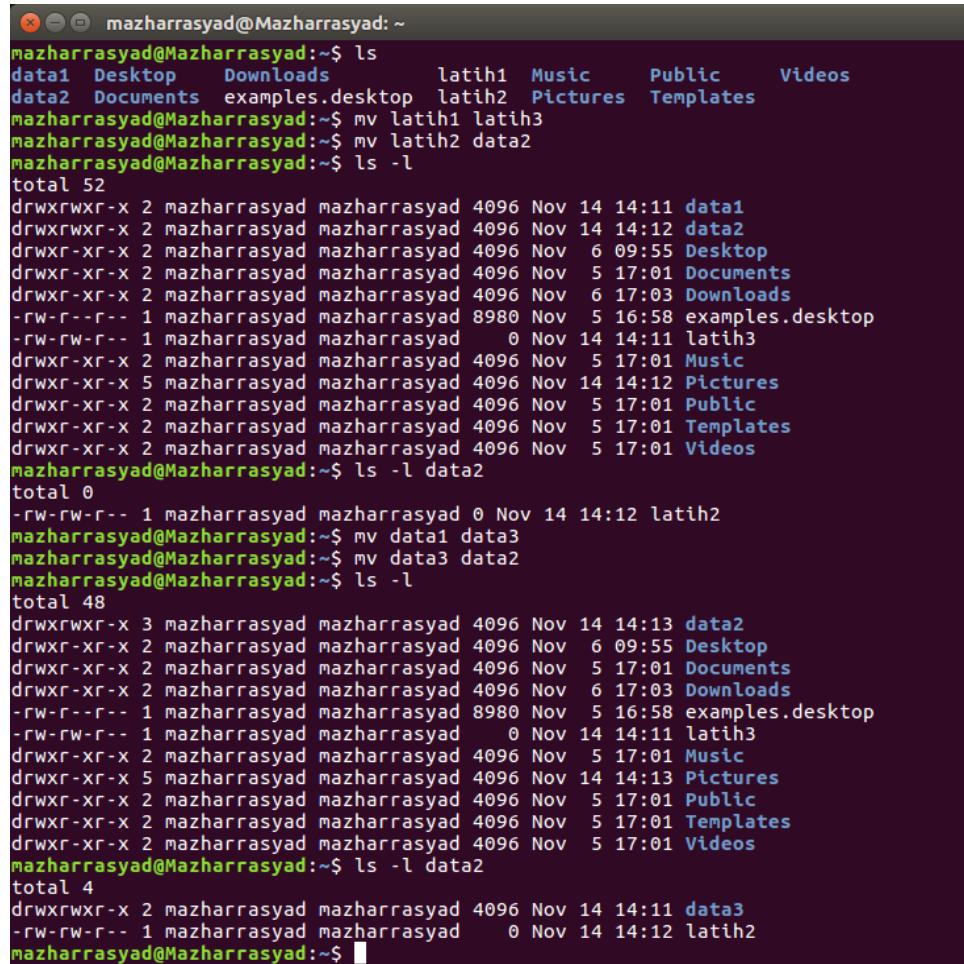
Mendaftarkan file atau direktori dengan detail



```
mazharrysyad@Mazharrysyad: ~
mazharrysyad@Mazharrysyad:~$ ls
data1 Desktop Downloads latih1 Music Public Videos
data2 Documents examples.desktop latih2 Pictures Templates
mazharrysyad@Mazharrysyad:~$ mv latih1 latih3
mazharrysyad@Mazharrysyad:~$ mv latih2 data2
mazharrysyad@Mazharrysyad:~$ ls -l
total 52
drwxrwxr-x 2 mazharrysyad mazharrysyad 4096 Nov 14 14:11 data1
drwxrwxr-x 2 mazharrysyad mazharrysyad 4096 Nov 14 14:12 data2
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 6 09:55 Desktop
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Documents
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 6 17:03 Downloads
-rw-r--r-- 1 mazharrysyad mazharrysyad 8980 Nov 5 16:58 examples.desktop
-rw-rw-r-- 1 mazharrysyad mazharrysyad 0 Nov 14 14:11 latih3
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Music
drwxr-xr-x 5 mazharrysyad mazharrysyad 4096 Nov 14 14:12 Pictures
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Public
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Templates
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Videos
mazharrysyad@Mazharrysyad:~$ ls -l data2
total 0
-rw-rw-r-- 1 mazharrysyad mazharrysyad 0 Nov 14 14:12 latih2
mazharrysyad@Mazharrysyad:~$ mv data1 data3
mazharrysyad@Mazharrysyad:~$ mv data3 data2
mazharrysyad@Mazharrysyad:~$ ls -l
total 48
drwxrwxr-x 3 mazharrysyad mazharrysyad 4096 Nov 14 14:13 data2
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 6 09:55 Desktop
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Documents
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 6 17:03 Downloads
-rw-r--r-- 1 mazharrysyad mazharrysyad 8980 Nov 5 16:58 examples.desktop
-rw-rw-r-- 1 mazharrysyad mazharrysyad 0 Nov 14 14:11 latih3
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Music
drwxr-xr-x 5 mazharrysyad mazharrysyad 4096 Nov 14 14:13 Pictures
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Public
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Templates
drwxr-xr-x 2 mazharrysyad mazharrysyad 4096 Nov 5 17:01 Videos
mazharrysyad@Mazharrysyad:~$
```

```
$ ls -l data2
```

Mendaftarkan file atau direktori dengan detail di dalam direktori data2

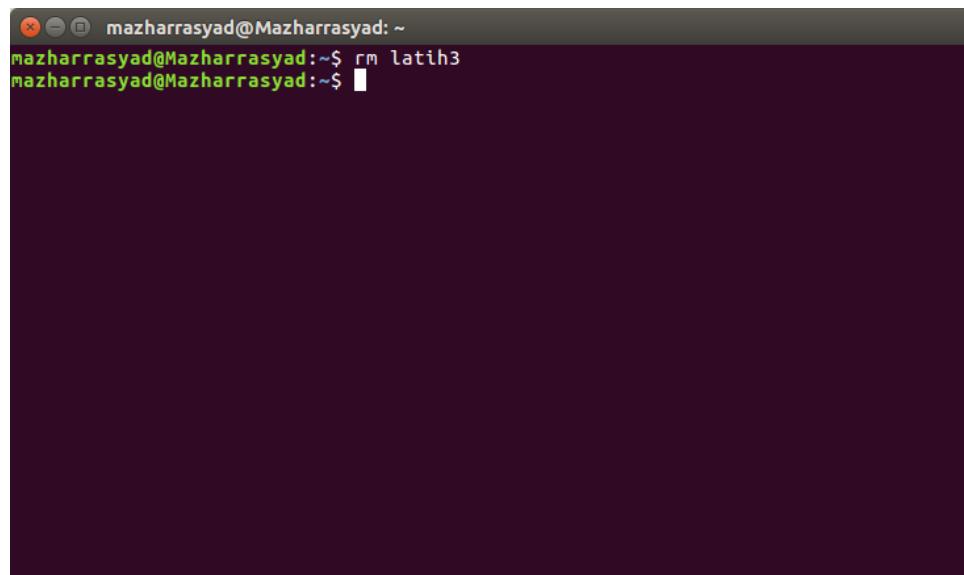


```
mazharryad@mazharryad:~$ ls -l data2
total 52
drwxrwxr-x 2 mazharryad mazharryad 4096 Nov 14 14:11 data1
drwxrwxr-x 2 mazharryad mazharryad 4096 Nov 14 14:12 data2
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharryad mazharryad 8980 Nov  5 16:58 examples.desktop
-rw-rw-r-- 1 mazharryad mazharryad     0 Nov 14 14:11 latih3
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Music
drwxr-xr-x 5 mazharryad mazharryad 4096 Nov 14 14:12 Pictures
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Videos
mazharryad@mazharryad:~$ ls -l data2
total 0
-rw-rw-r-- 1 mazharryad mazharryad 0 Nov 14 14:12 latih2
mazharryad@mazharryad:~$ mv data1 data3
mazharryad@mazharryad:~$ mv data3 data2
mazharryad@mazharryad:~$ ls -l
total 48
drwxrwxr-x 3 mazharryad mazharryad 4096 Nov 14 14:13 data2
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharryad mazharryad 8980 Nov  5 16:58 examples.desktop
-rw-rw-r-- 1 mazharryad mazharryad     0 Nov 14 14:11 latih3
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Music
drwxr-xr-x 5 mazharryad mazharryad 4096 Nov 14 14:13 Pictures
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharryad mazharryad 4096 Nov  5 17:01 Videos
mazharryad@mazharryad:~$ ls -l data2
total 4
drwxrwxr-x 2 mazharryad mazharryad 4096 Nov 14 14:11 data3
-rw-rw-r-- 1 mazharryad mazharryad     0 Nov 14 14:12 latih2
mazharryad@mazharryad:~$
```

### c. Menghapus file/direktori

```
$ rm latih3
```

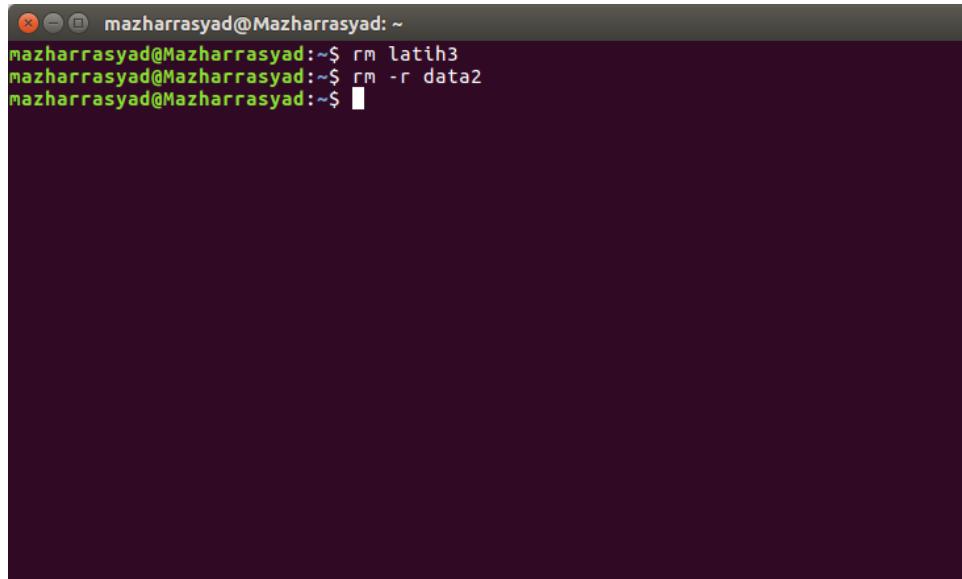
Menghapus file latih3



```
mazharryad@mazharryad:~$ rm latih3
mazharryad@mazharryad:~$
```

```
$ rm -r data2
```

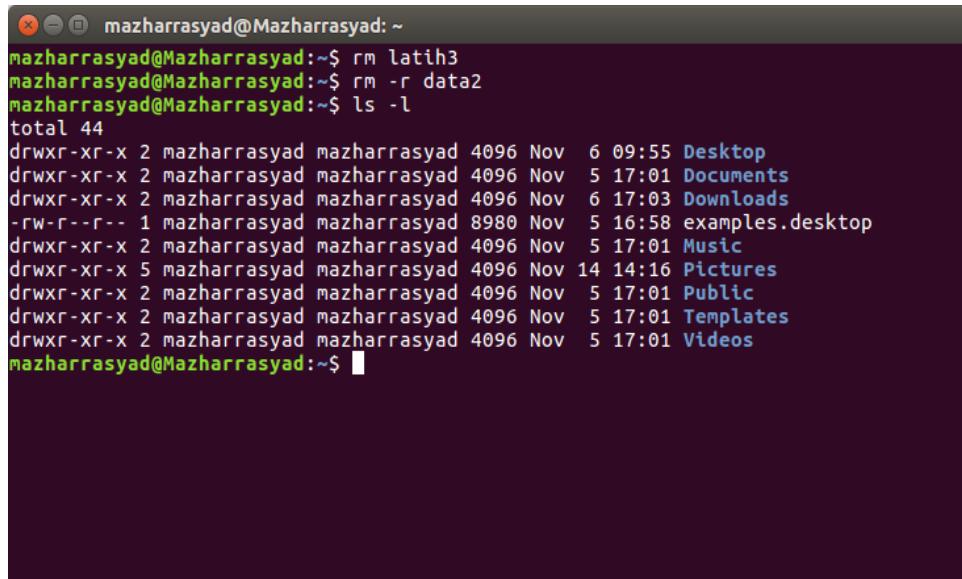
Menghapus direktori data2



```
mazharrasyad@mazharrasyad:~$ rm latih3
mazharrasyad@mazharrasyad:~$ rm -r data2
mazharrasyad@mazharrasyad:~$
```

```
$ ls -l
```

Mendaftarkan file atau direktori dengan detail

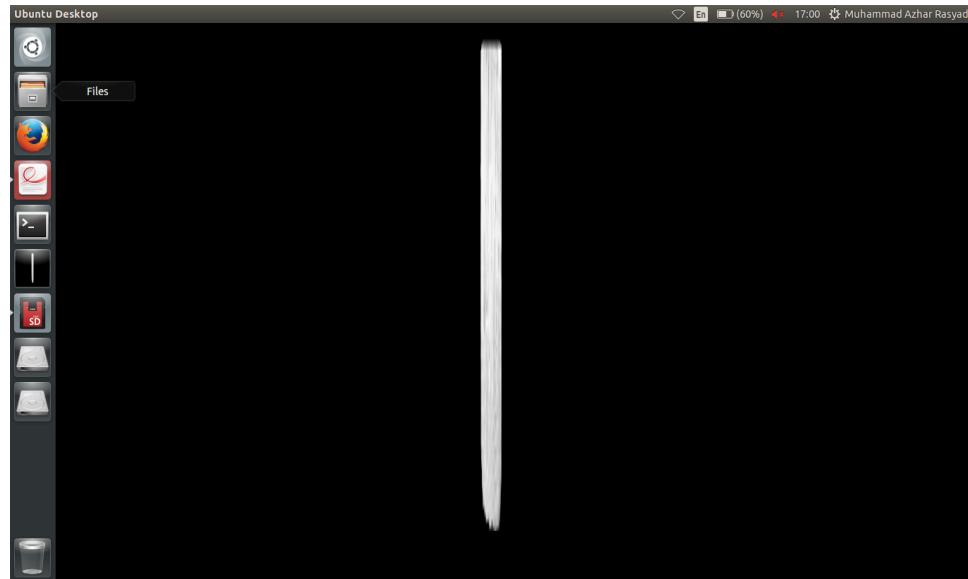


```
mazharrasyad@mazharrasyad:~$ rm latih3
mazharrasyad@mazharrasyad:~$ rm -r data2
mazharrasyad@mazharrasyad:~$ ls -l
total 44
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 09:55 Desktop
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Documents
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  6 17:03 Downloads
-rw-r--r-- 1 mazharrasyad mazharrasyad 8980 Nov  5 16:58 examples.desktop
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Music
drwxr-xr-x 5 mazharrasyad mazharrasyad 4096 Nov 14 14:16 Pictures
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Public
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Templates
drwxr-xr-x 2 mazharrasyad mazharrasyad 4096 Nov  5 17:01 Videos
mazharrasyad@mazharrasyad:~$
```

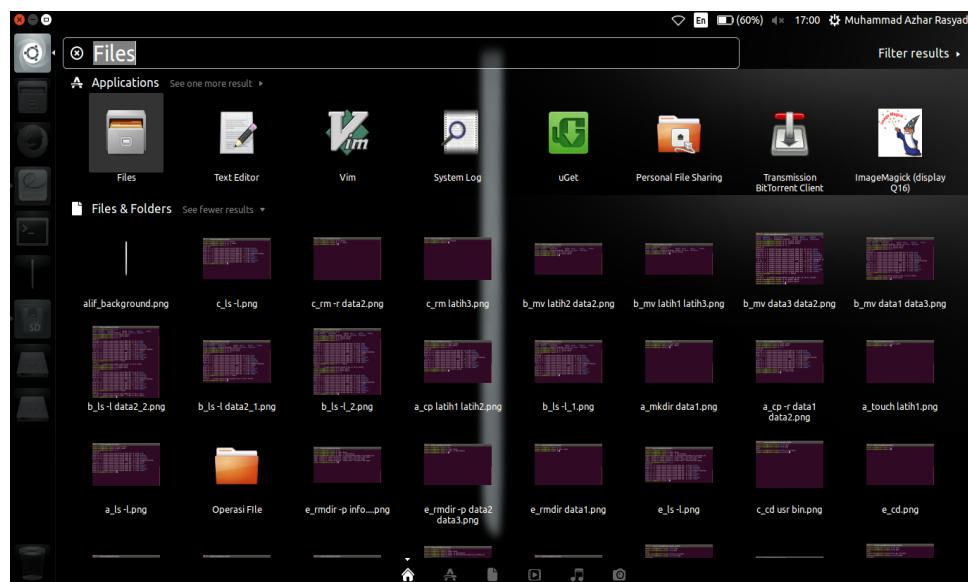
### 3. Files (File Manager)

#### a. Menjalankan Files

- Klik ikon Files pada Launcher



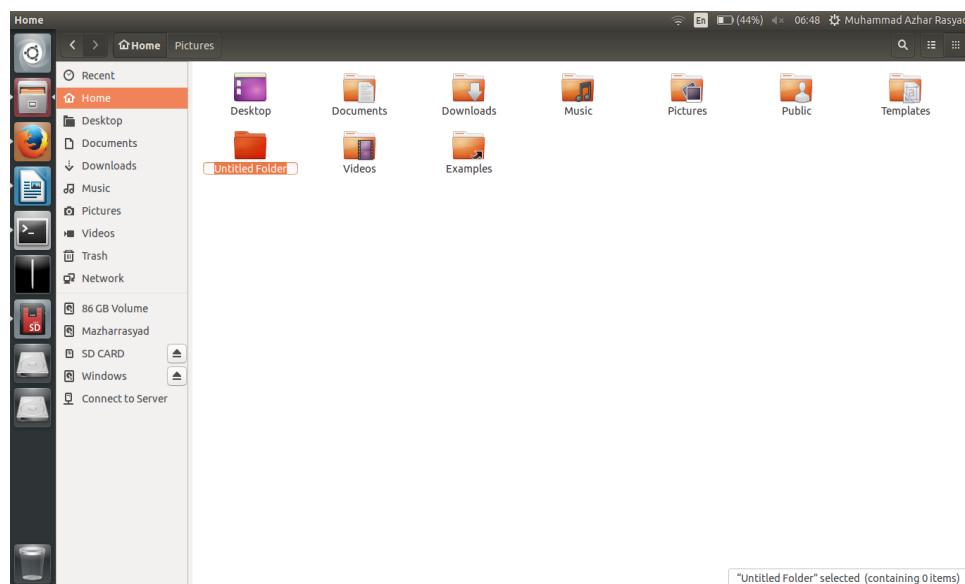
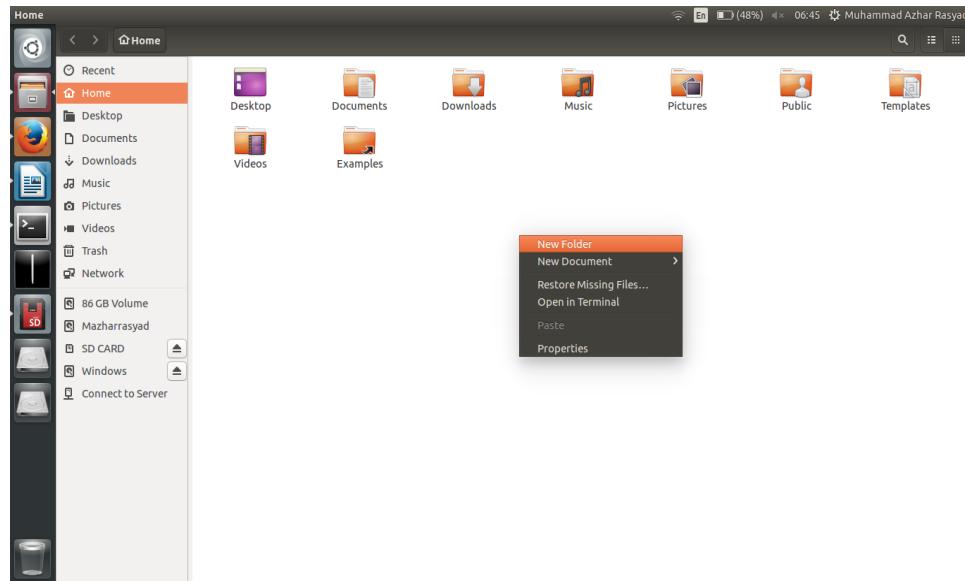
- Klik ikon the Dash pada Launcher, ketikkan files pada kolom search kemudian pilih Files.

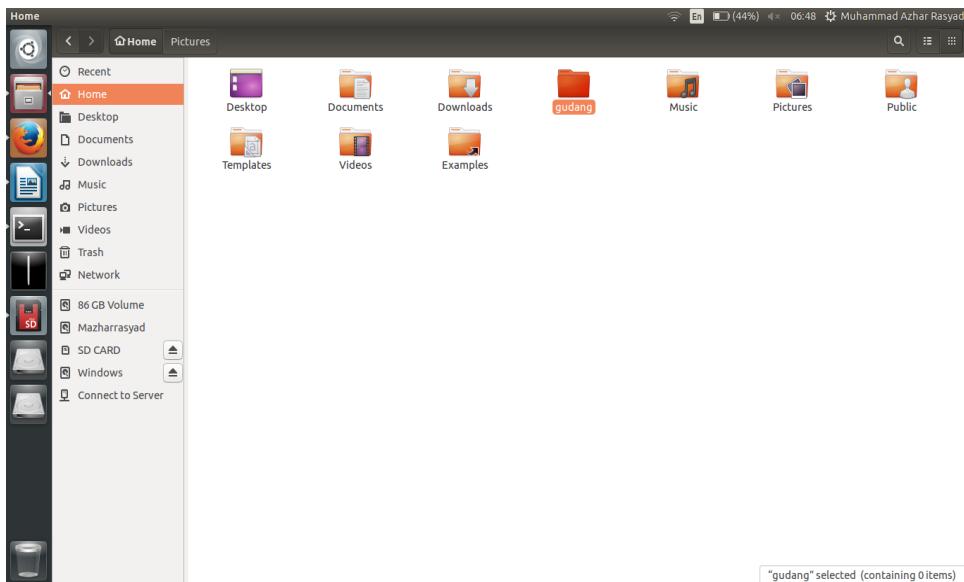


- Ikon launcher sebagai perantara untuk membuka file – file yang ada pada ubuntu

## b. Membuat folder

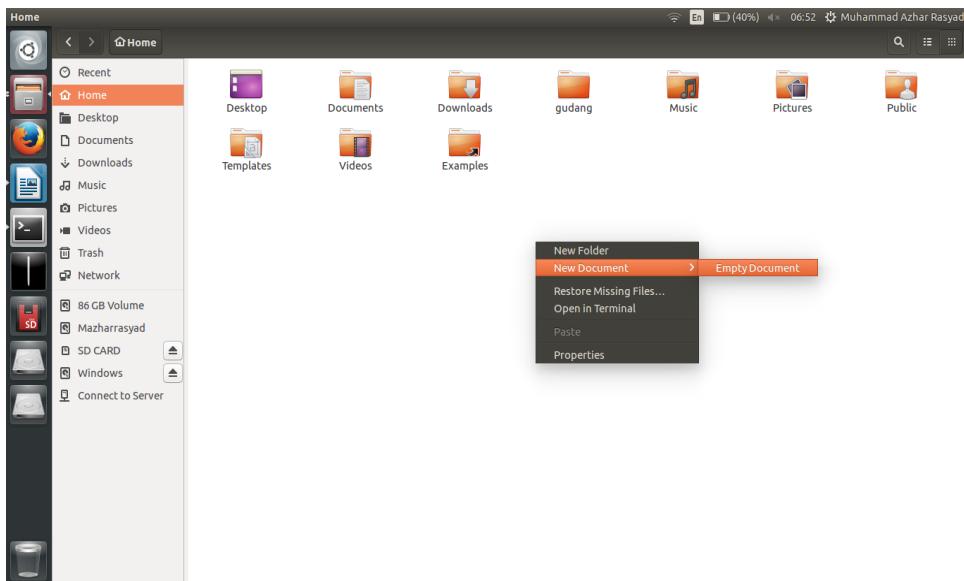
- Klik kanan pada area kosong dari right pane kemudian pilih New Folder dari menu popup. Gantilah nama "Untitled Folder" dengan "gudang"

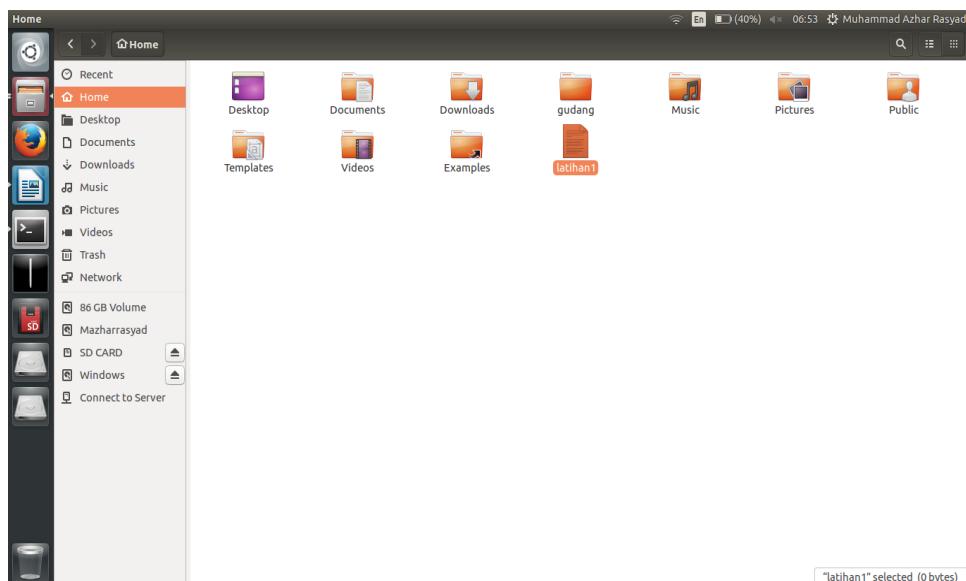
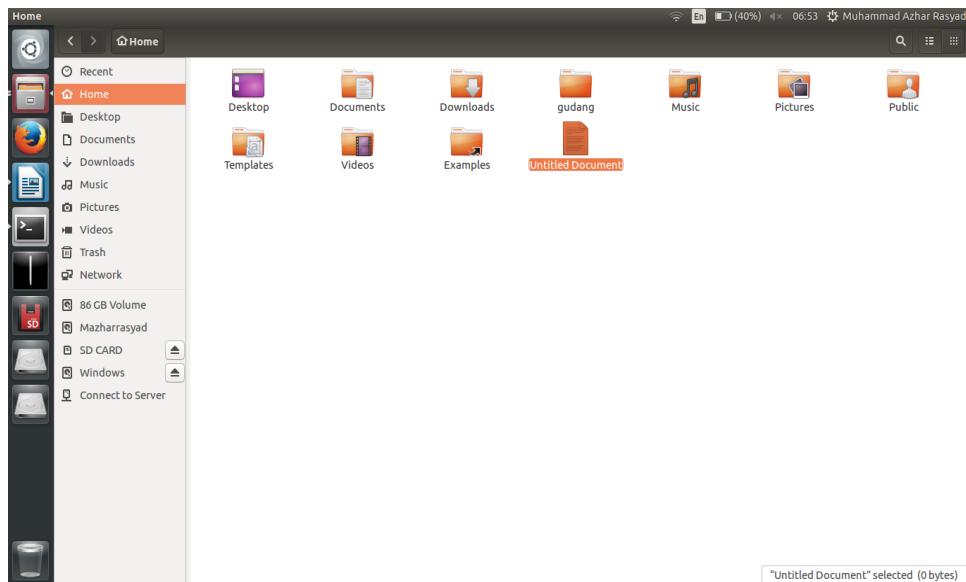




### c. Membuat file kosong

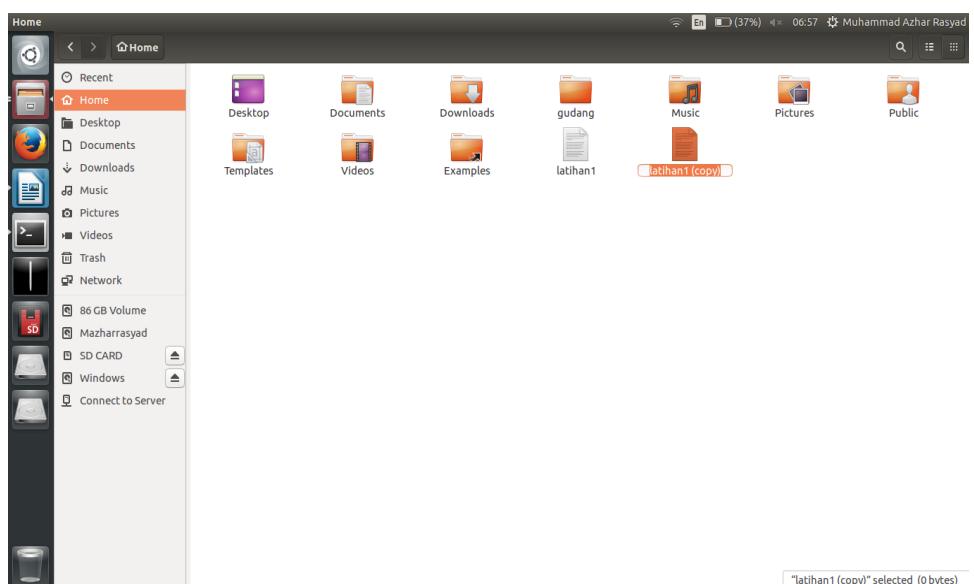
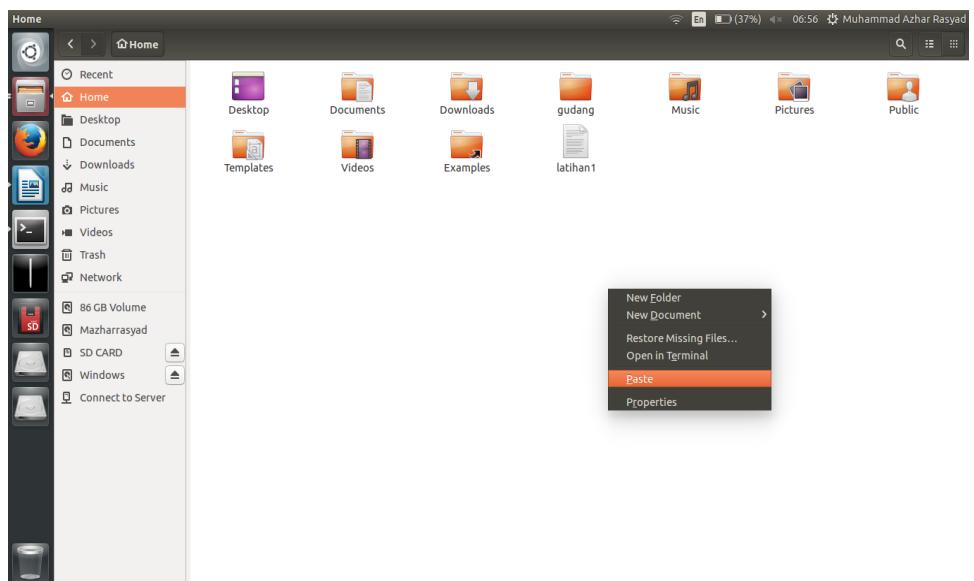
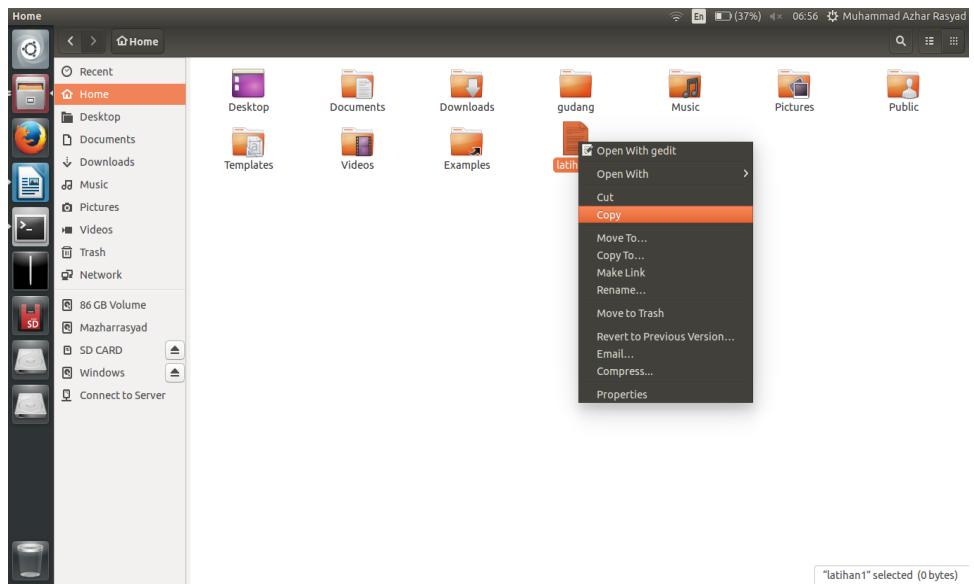
- Klik kanan pada area kosong dari right pane kemudian pilih New Document → Empty Document dari menu popup. Gantilah nama "Untitled Document" dengan "latihan1"

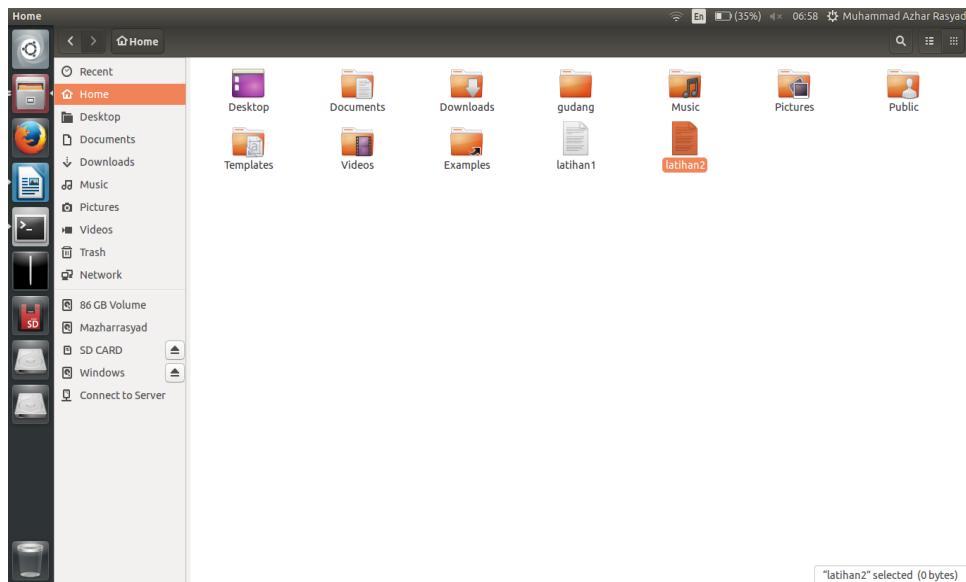




#### d. Menyalin file/folder

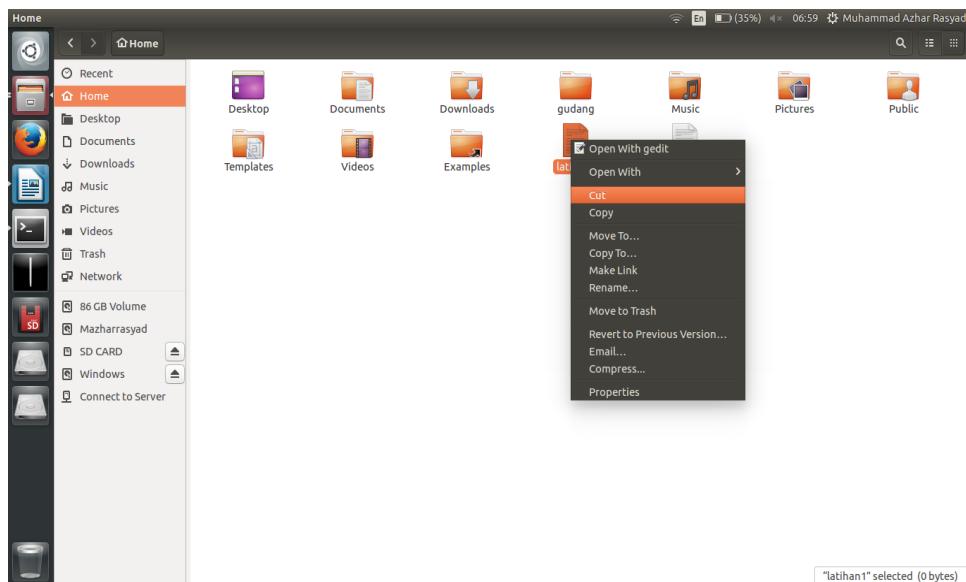
- Klik kanan pada file "latihan1" kemudian pilih Copy dari menu popup. Klik kanan pada area kosong kemudian pilih Paste dari menu popup. Gantilah nama "latihan1 (copy)" dengan "latihan2"

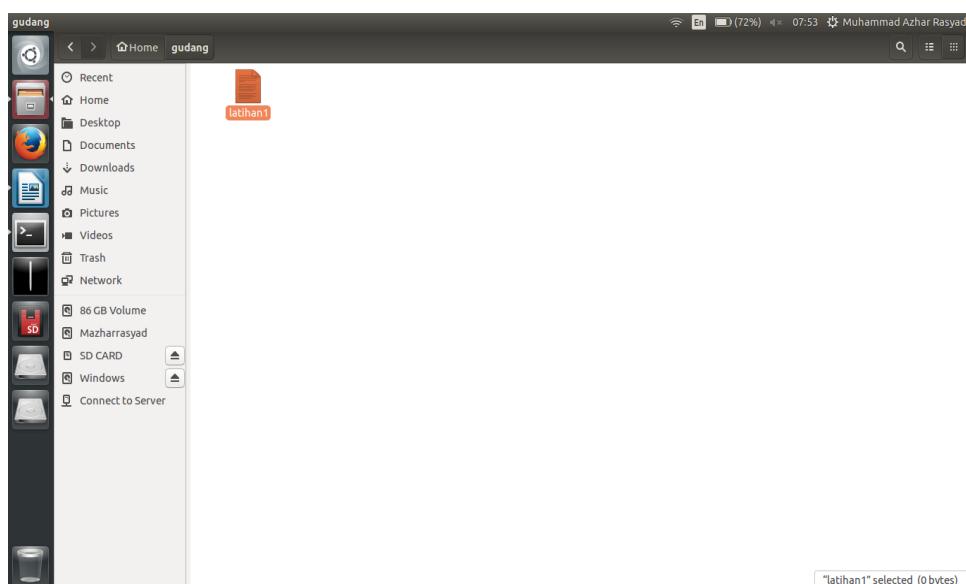
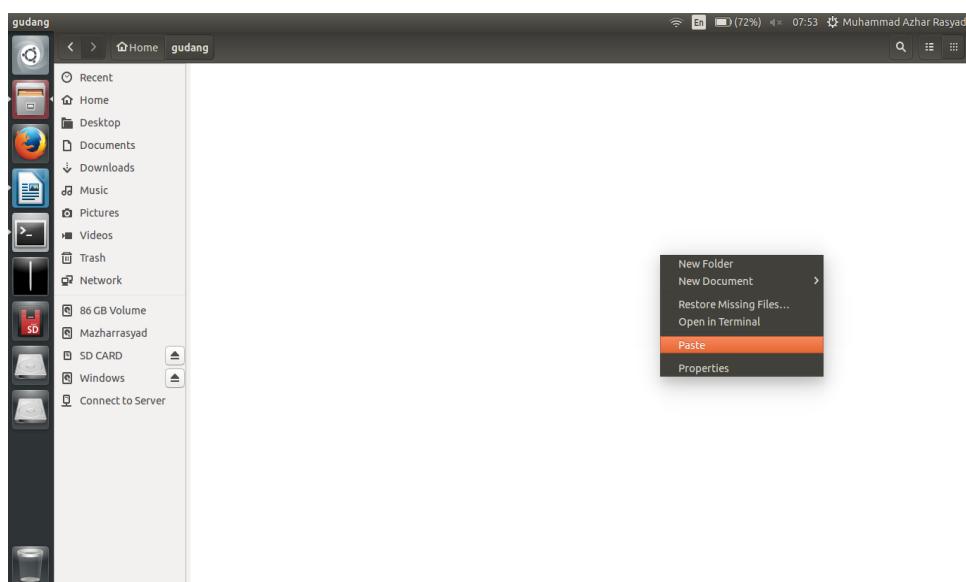
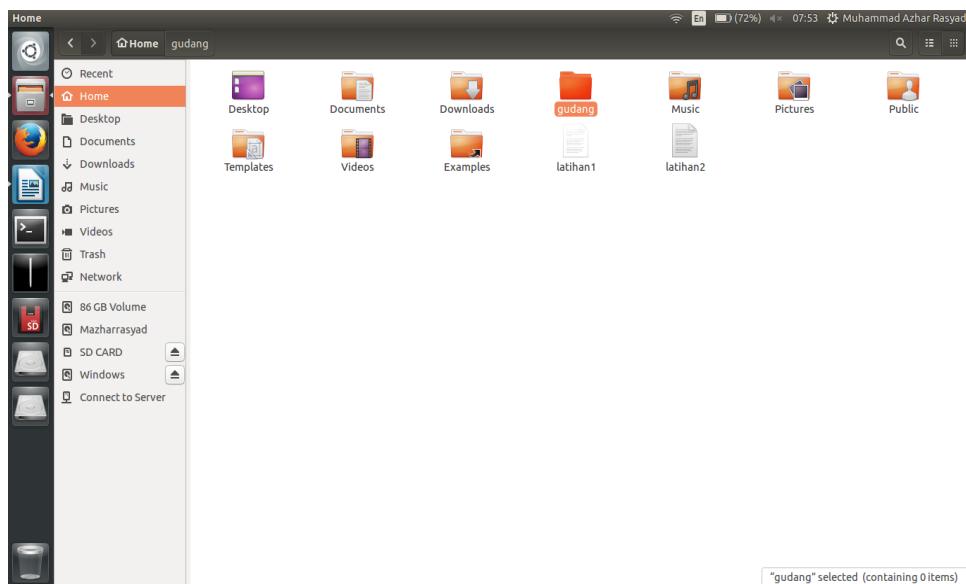




### e. Memindahkan file

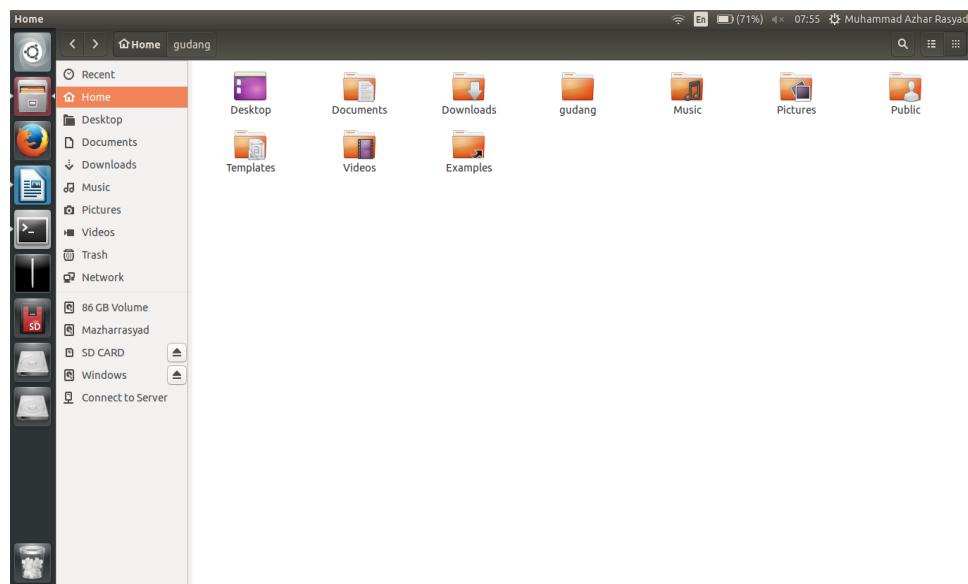
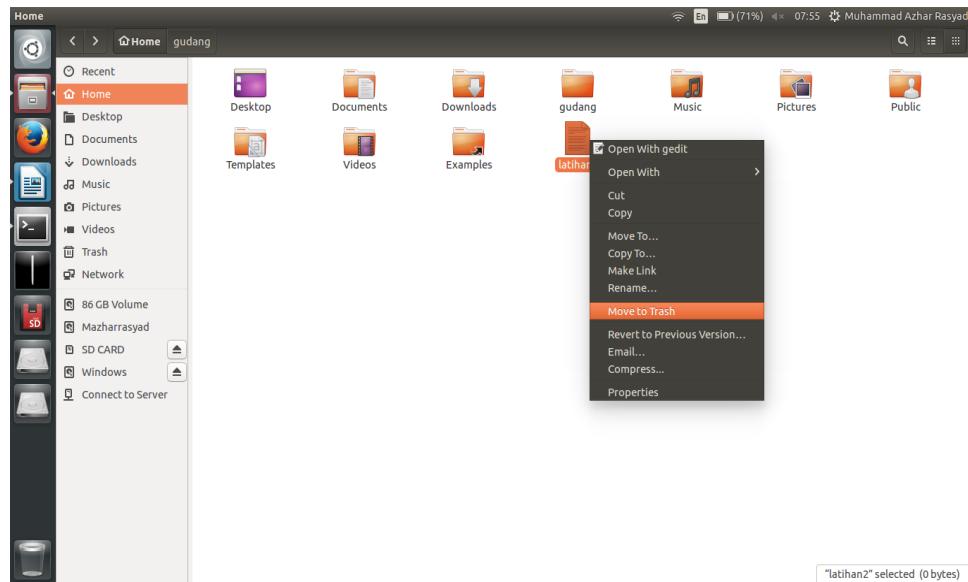
- Klik kanan pada file "latihan1" kemudian pilih Cut dari menu popup. Klik ganda folder "gudang" kemudian klik kanan pada area kosong dan pilih Paste.



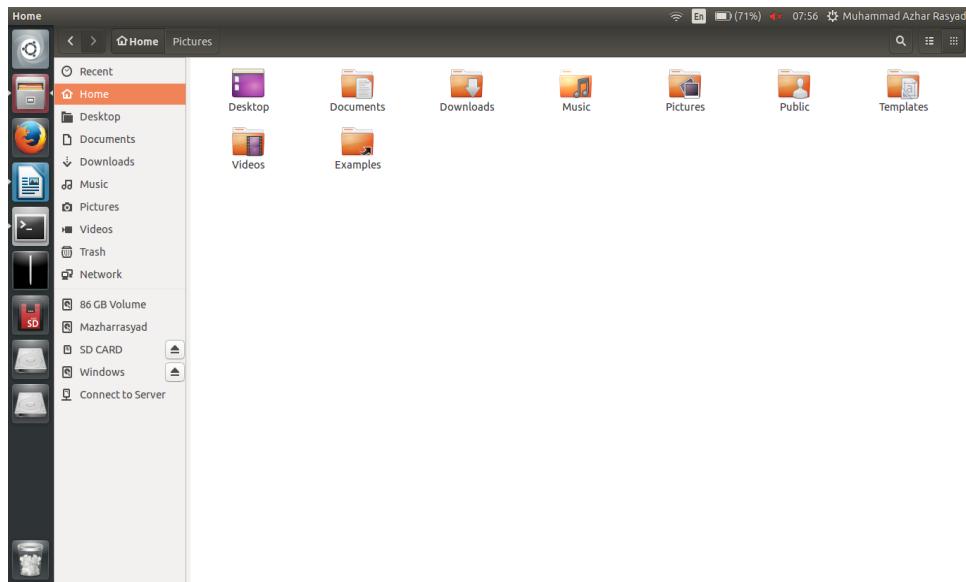
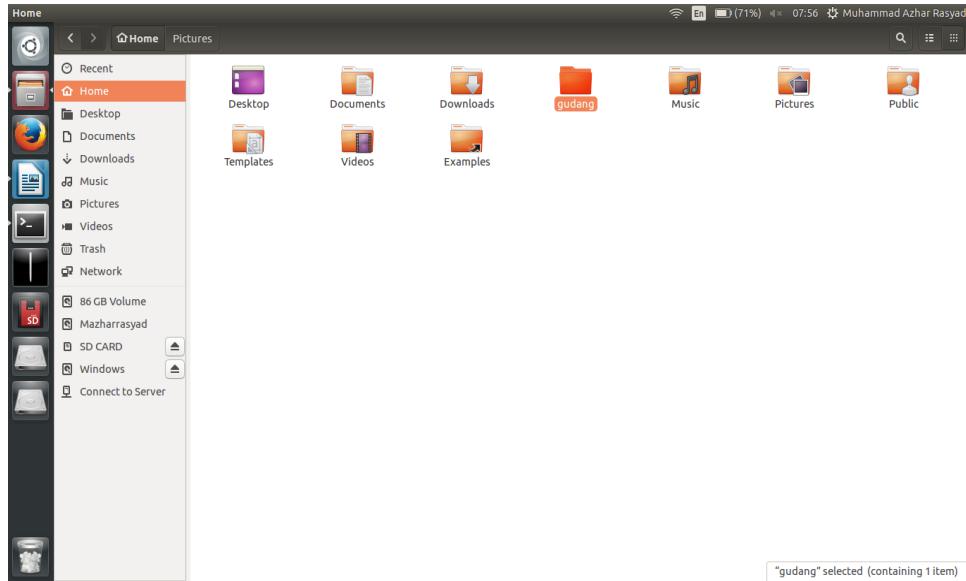


## f. Menghapus file/folder

- Klik kanan pada file "latihan2" kemudian pilih Move to Trash dari menu popup.



- Pilih folder "gudang" kemudian tekan tombol keyboard Delete.



## D. Tugas

1. Perhatikan data dibawah ini!

```
badu@berlian:~$ tree
```

```
.  
├── data1  
│   ├── data2  
│   └── data3  
└── data4  
    ├── data5  
    └── data6
```

6 directories, 0 files

Tuliskan perintah untuk membuat struktur direktori seperti di atas dalam satu perintah!

```
mazharrysyad@mazharrysyad:~/Moduls  
mazharrysyad@mazharrysyad:~/Moduls$ mkdir -p data{1}/data{2,3},4/data{5,6}  
mazharrysyad@mazharrysyad:~/Moduls$ tree  
. .  
└── data1  
    ├── data2  
    └── data3  
    └── data4  
        ├── data5  
        └── data6  
6 directories, 0 files  
mazharrysyad@mazharrysyad:~/Moduls$
```

2. Perhatikan data dibawah ini

```
badu@berlian:~$ pwd
```

```
/home/badu
```

```
badu@berlian:~$ tree
```

```
.
├── data1
│   ├── data2
│   └── data3
└── data4
    ├── data5
    └── data6
```

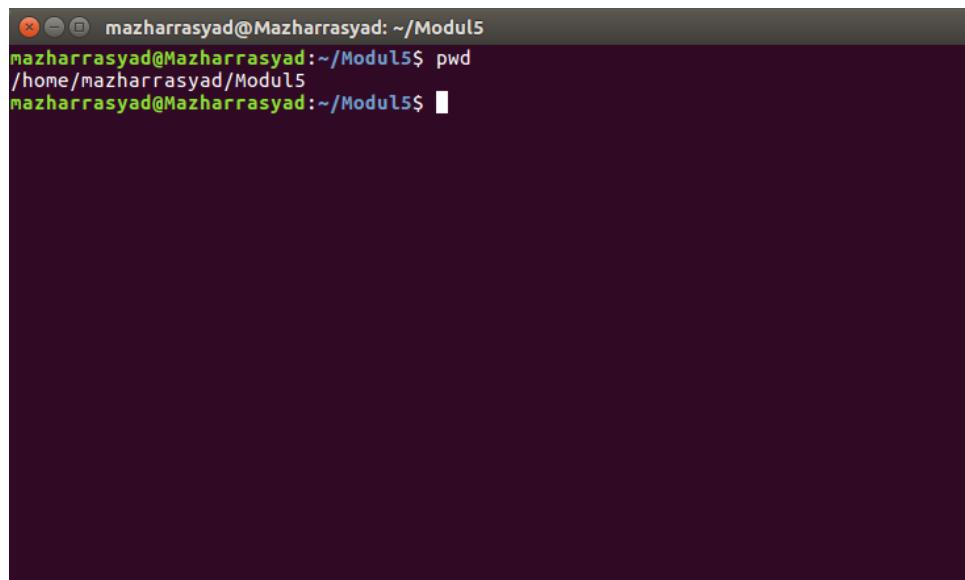
```
6 directories, 0 files
```

```
badu@berlian:~$ cd data1/data2
```

```
badu@berlian:~/data1/data2$ pwd
```

```
/home/badu/data1/data2
```

Berdasarkan data di atas, tuliskan perintah untuk pindah direktori dari direktori saat ini ke direktori data6 menggunakan path relatif!



```
mazharrasyad@mazharrasyad: ~/Modul5
mazharrasyad@mazharrasyad:~/Modul5$ pwd
/home/mazharrasyad/Modul5
mazharrasyad@mazharrasyad:~/Modul5$
```

```
mazharryad@mazharryad: ~/Modul5/data1/data2
mazharryad@mazharryad:~/Modul5$ pwd
/home/mazharryad/Modul5
mazharryad@mazharryad:~/Modul5$ tree
.
└── data1
    ├── data2
    └── data3
  └── data4
      ├── data5
      └── data6

6 directories, 0 files
mazharryad@mazharryad:~/Modul5$ cd data1/data2
mazharryad@mazharryad:~/Modul5/data1/data2$ pwd
/home/mazharryad/Modul5/data1/data2
mazharryad@mazharryad:~/Modul5/data1/data2$
```

```
mazharryad@mazharryad: ~/Modul5/data1/data2
mazharryad@mazharryad:~/Modul5$ pwd
/home/mazharryad/Modul5
mazharryad@mazharryad:~/Modul5$ tree
.
└── data1
    ├── data2
    └── data3
  └── data4
      ├── data5
      └── data6

6 directories, 0 files
mazharryad@mazharryad:~/Modul5$ cd data1/data2
mazharryad@mazharryad:~/Modul5/data1/data2$
```

```
mazharryad@Mazharryad: ~/Modul5/data1/data2
mazharryad@Mazharryad:~/Modul5$ pwd
/home/mazharryad/Modul5
mazharryad@Mazharryad:~/Modul5$ tree
.
└── data1
    ├── data2
    └── data3
  └── data4
      ├── data5
      └── data6

6 directories, 0 files
mazharryad@Mazharryad:~/Modul5$ cd data1/data2
mazharryad@Mazharryad:~/Modul5/data1/data2$ pwd
/home/mazharryad/Modul5/data1/data2
mazharryad@Mazharryad:~/Modul5/data1/data2$
```

```
mazharryad@Mazharryad: ~/Modul5/data4/data6
mazharryad@Mazharryad:~/Modul5$ pwd
/home/mazharryad/Modul5
mazharryad@Mazharryad:~/Modul5$ tree
.
└── data1
    ├── data2
    └── data3
  └── data4
      ├── data5
      └── data6

6 directories, 0 files
mazharryad@Mazharryad:~/Modul5$ cd data1/data2
mazharryad@Mazharryad:~/Modul5/data1/data2$ pwd
/home/mazharryad/Modul5/data1/data2
mazharryad@Mazharryad:~/Modul5/data1/data2$ cd ../../data4/data6
mazharryad@Mazharryad:~/Modul5/data4/data6$ pwd
/home/mazharryad/Modul5/data4/data6
mazharryad@Mazharryad:~/Modul5/data4/data6$
```

3. Perhatikan data berikut!

```
badu@berlian:~$ pwd
```

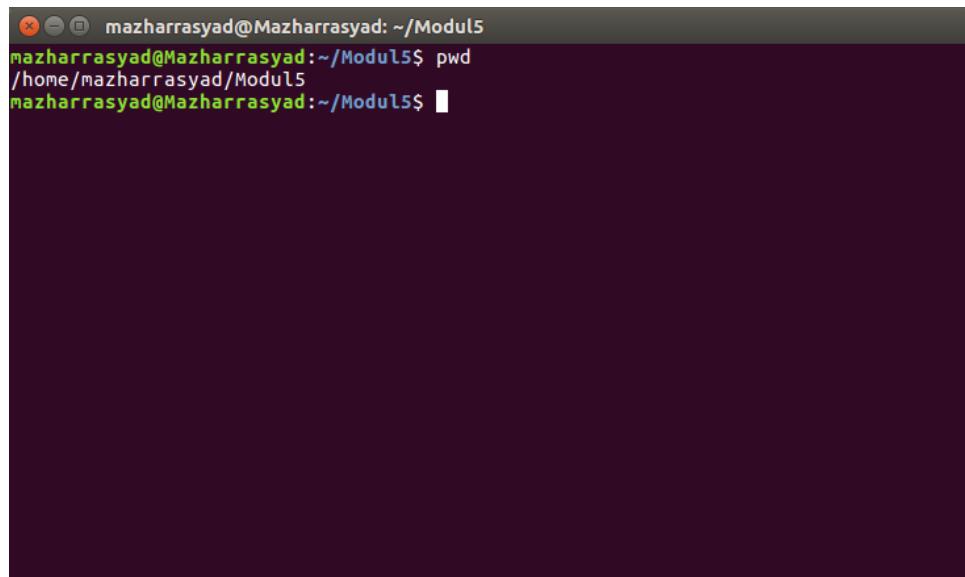
```
/home/badu
```

```
badu@berlian:~$ tree
```

```
.
├── data1
│   ├── data2
│   └── data3
└── data4
    ├── data5
    │   └── latih1
    └── data6
```

6 directories, 1 file

Berdasarkan data di atas, tuliskan perintah untuk memindahkan file latih1 ke direktori data3!



```
mazharrasyad@mazharrasyad:~/Modul5
mazharrasyad@mazharrasyad:~/Modul5$ pwd
/home/mazharrasyad/Modul5
mazharrasyad@mazharrasyad:~/Modul5$
```

```
mazharryad@Mazharryad: ~/Moduls
mazharryad@Mazharryad:~/Moduls$ pwd
/home/mazharryad/Moduls
mazharryad@Mazharryad:~/Moduls$ tree
.
└── data1
    ├── data2
    └── data3
  └── data4
      ├── data5
      └── latih1
          └── data6

6 directories, 1 file
mazharryad@Mazharryad:~/Moduls$
```

```
mazharryad@Mazharryad: ~/Moduls
mazharryad@Mazharryad:~/Moduls$ pwd
/home/mazharryad/Moduls
mazharryad@Mazharryad:~/Moduls$ tree
.
└── data1
    ├── data2
    └── data3
  └── data4
      ├── data5
      └── latih1
          └── data6

6 directories, 1 file
mazharryad@Mazharryad:~/Moduls$ mv data4/data5/latih1 data1/data3
mazharryad@Mazharryad:~/Moduls$ tree
.
└── data1
    ├── data2
    └── data3
        └── latih1
    └── data4
        ├── data5
        └── data6

6 directories, 1 file
mazharryad@Mazharryad:~/Moduls$
```

4. Perhatikan data berikut ini!

```
badu@berlian:~$ pwd
```

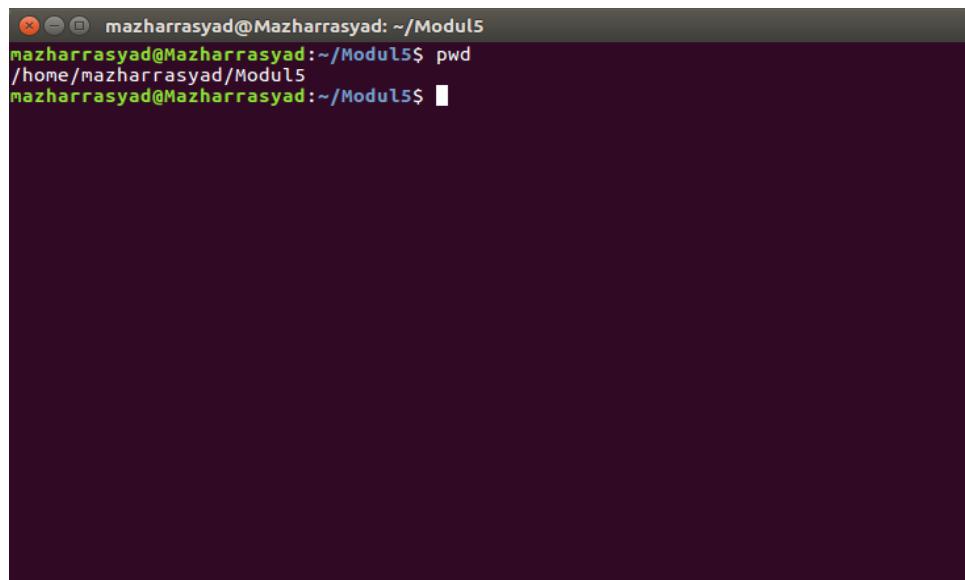
```
/home/badu
```

```
badu@berlian:~$ tree
```

```
.
├── data1
│   ├── data2
│   │   └── latih1
│   └── data3
└── data4
    ├── data5
    └── data6
```

6 directories, 1 file

Berdasarkan data di atas, tuliskan perintah untuk menghapus direktori data2!



```
mazharryad@mazharryad: ~/Moduls
mazharryad@mazharryad:~/Moduls$ pwd
/home/mazharryad/Moduls
mazharryad@mazharryad:~/Moduls$
```

```
mazharrysyad@Mazharrysyad: ~/Moduls
mazharrysyad@Mazharrysyad:~/Moduls$ pwd
/home/mazharrysyad/Moduls
mazharrysyad@Mazharrysyad:~/Moduls$ tree
.
└── data1
    ├── data2
    │   └── latih1
    ├── data3
    ├── data4
    ├── data5
    └── data6

6 directories, 1 file
mazharrysyad@Mazharrysyad:~/Moduls$
```

```
mazharrysyad@Mazharrysyad: ~/Moduls
mazharrysyad@Mazharrysyad:~/Moduls$ pwd
/home/mazharrysyad/Moduls
mazharrysyad@Mazharrysyad:~/Moduls$ tree
.
└── data1
    ├── data2
    │   └── latih1
    ├── data3
    ├── data4
    ├── data5
    └── data6

6 directories, 1 file
mazharrysyad@Mazharrysyad:~/Moduls$ rm data1/data2/latih1
mazharrysyad@Mazharrysyad:~/Moduls$ tree
.
└── data1
    ├── data2
    ├── data3
    ├── data4
    ├── data5
    └── data6

6 directories, 0 files
mazharrysyad@Mazharrysyad:~/Moduls$
```

## Kesimpulan

Dalam sistem operasi linux untuk mengoperasikan file atau direktori dapat menggunakan terminal dengan cara mengetikkan command – command yang diperlukan seperti command mkdir untuk membuat direktori, rm untuk menghapus file dan lain sebagainya, untuk dapat menggunakan command tersebut dapat dilihat pada menu help atau man command, command untuk mengoperasikan file atau direktori dalam terminal sangat sensitif oleh karena itu diperlukan sebuah hak akses sebuah user.