

**PRODI
TEKNIK INFORMATIKA**



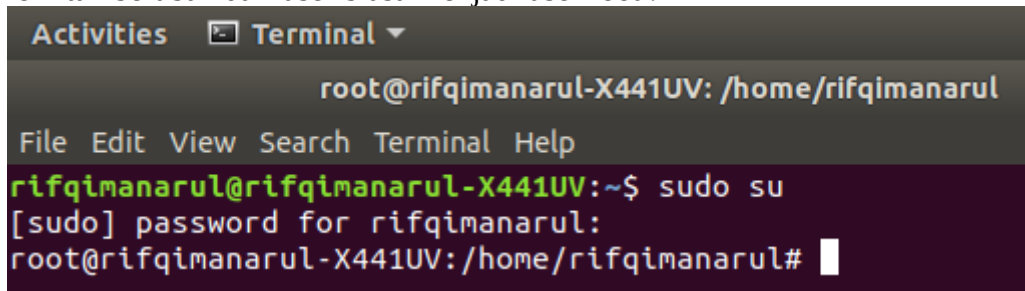
Mata Kuliah :
Pengantar Open Source dan Aplikasi

Disusun Oleh :
Muhamad Rifqi Manarul Hidayah
0110218021
TI 02

Dosen Pembimbing :
Umul Sidiqoh, S.Kom

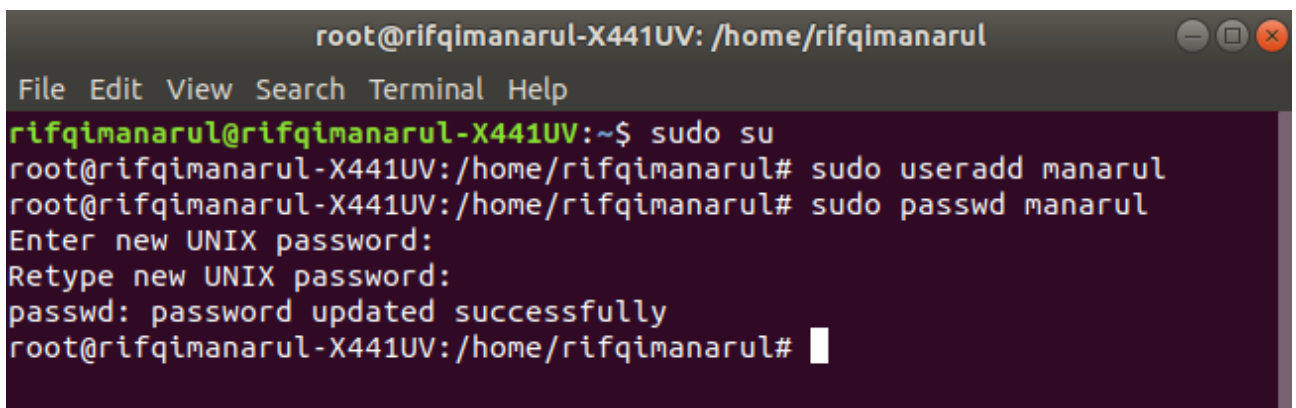
Modul 1

1. Perintah berubah dari user biasa menjadi user root :



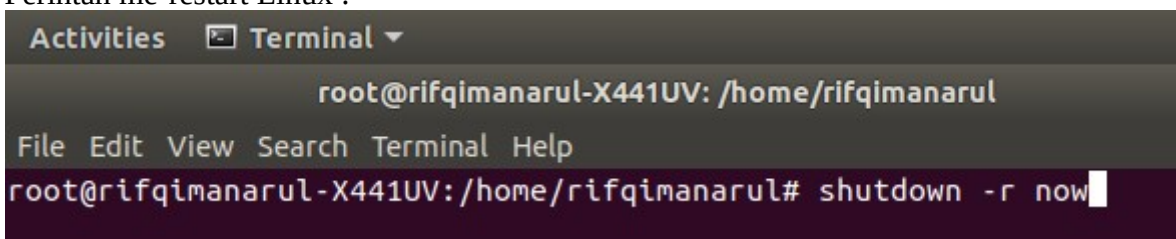
```
Activities Terminal
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
rifqimanarul@rifqimanarul-X441UV:~$ sudo su
[sudo] password for rifqimanarul:
root@rifqimanarul-X441UV:/home/rifqimanarul#
```

2. Perintah mengubah password user manarul :



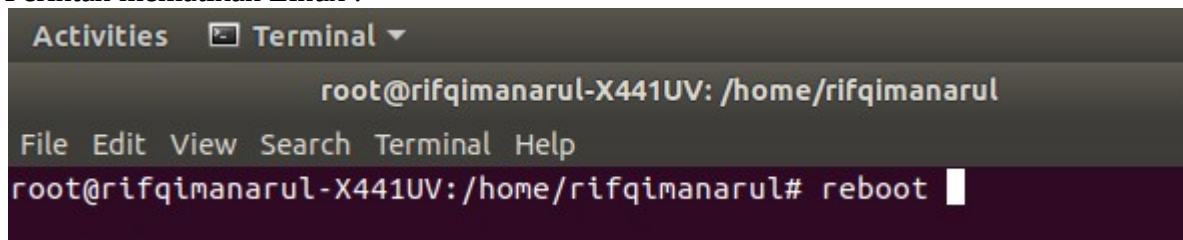
```
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
rifqimanarul@rifqimanarul-X441UV:~$ sudo su
root@rifqimanarul-X441UV:/home/rifqimanarul# sudo useradd manarul
root@rifqimanarul-X441UV:/home/rifqimanarul# sudo passwd manarul
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
root@rifqimanarul-X441UV:/home/rifqimanarul#
```

3. Perintah me-restart Linux :



```
Activities Terminal
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# shutdown -r now
```

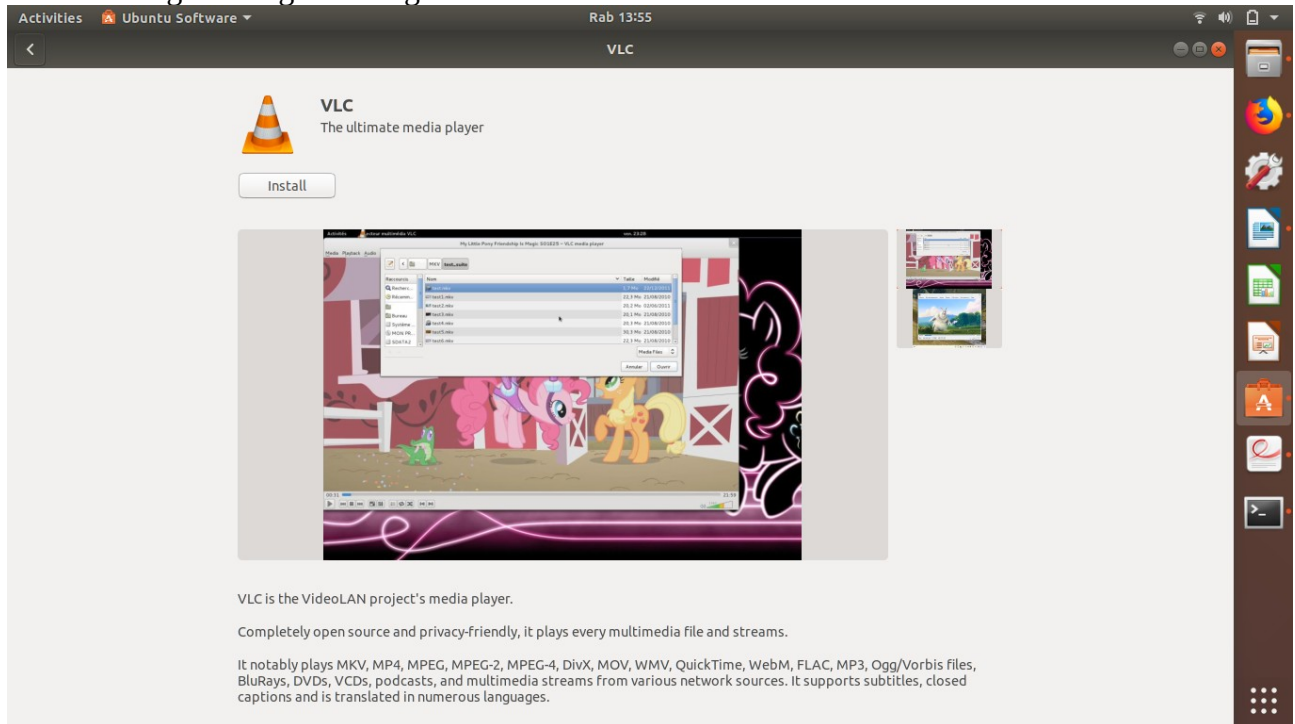
4. Perintah mematikan Linux :



```
Activities Terminal
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# reboot
```

Modul 2

1. Tuliskan langkah-langkah menginstall VLC melalui Ubuntu Software Center.



Modul 4

1. Perintah melihat isi direktori /etc :

```
Activities Terminal
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# ls -l /etc/
total 1200
drwxr-xr-x  3 root root    4096 Nov 23 05:09 acpi
-rw-r--r--  1 root root    3028 Jul 31 07:31 adduser.conf
drwxr-xr-x  2 root root    4096 Nov 23 05:18 alternatives
-rw-r--r--  1 root root     401 Dec 29 2014 anacrontab
drwxr-xr-x  3 root root    4096 Nov 23 04:52 apache2
-rw-r--r--  1 root root     433 Okt  2 2017 apg.conf
drwxr-xr-x  6 root root    4096 Jul 31 07:35 apm
drwxr-xr-x  3 root root    4096 Nov 23 05:09 apparmor
drwxr-xr-x  8 root root    4096 Nov 23 05:14 apparmor.d
drwxr-xr-x  5 root root    4096 Nov 23 05:09 appport
-rw-r--r--  1 root root     769 Apr  4 2018 appstream.conf
drwxr-xr-x  6 root root    4096 Jan  8 22:02 apt
drwxr-xr-x  3 root root    4096 Jul 31 07:38 aptdaemon
```

2. Perintah membuat file bernama latihan :

```
Activities Terminal ▾
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# touch latihan
root@rifqimanarul-X441UV:/home/rifqimanarul#
```

3. Perintah mengubah nama file latihan menjadi ngoding :

```
Activities Terminal ▾
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# touch latihan
root@rifqimanarul-X441UV:/home/rifqimanarul# mv latihan ngoding
root@rifqimanarul-X441UV:/home/rifqimanarul# ls -l
total 96
-rw-rw-r-- 1 rifqimanarul rifqimanarul 19063 Okt 22 22:25 'b. indonesi
a.odt'
drwxr-xr-x 4 rifqimanarul rifqimanarul 4096 Jan 9 12:26 Challenges-
POSA
drwxr-xr-x 2 rifqimanarul rifqimanarul 4096 Okt 14 19:15 Desktop
drwxr-xr-x 2 rifqimanarul rifqimanarul 4096 Jan 9 13:29 Documents
drwxr-xr-x 2 rifqimanarul rifqimanarul 4096 Jan 8 21:55 Downloads
-rw-r--r-- 1 rifqimanarul rifqimanarul 8980 Okt 5 21:47 examples.de
sktop
drwxr-xr-x 2 rifqimanarul rifqimanarul 4096 Okt 6 04:55 Music
-rw-r--r-- 1 root root 0 Jan 9 14:05 ngoding
drwxrwxr-x 5 rifqimanarul rifqimanarul 4096 Okt 25 21:20 pertemuan-e
```

Modul 5

1. Membuat direktori bernama belajar :

```
Activities Terminal ▾
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# mkdir belajar
root@rifqimanarul-X441UV:/home/rifqimanarul#
```

2. Perintah menghapus file bernama latihan :

```
Activities Terminal ▾
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# touch latihan
root@rifqimanarul-X441UV:/home/rifqimanarul# rm latihan
root@rifqimanarul-X441UV:/home/rifqimanarul#
```

3. Perintah pindah ke direktori /var/lib :

```
Activities  Terminal ▾
root@rifqimanarul-X441UV: /var/lib

File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# pwd
/home/rifqimanarul
root@rifqimanarul-X441UV:/home/rifqimanarul# cd /var/lib/
root@rifqimanarul-X441UV:/var/lib#
```

4. Cek posisi direktori sekarang :

```
Activities  Terminal ▾
root@rifqimanarul-X441UV: /var/lib

File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/var/lib# pwd
/var/lib
root@rifqimanarul-X441UV:/var/lib#
```

Modul 6

1. Mengubah izin akses file latihan menjadi rw-r-- :

```
Activities  Terminal ▾
root@rifqimanarul-X441UV: /home/rifqimanarul

File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# ls -l latihan
-rw-r--r-- 1 root root 0 Jan  9 14:41 latihan
root@rifqimanarul-X441UV:/home/rifqimanarul# chmod 644 latihan
root@rifqimanarul-X441UV:/home/rifqimanarul# ls -l latihan
-rw-r--r-- 1 root root 0 Jan  9 14:41 latihan
root@rifqimanarul-X441UV:/home/rifqimanarul#
```

2. Mengubah pemilik file latihan menjadi dimas :

```
Activities  Terminal ▾
root@rifqimanarul-X441UV: /home

File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home# useradd dimas
root@rifqimanarul-X441UV:/home# chgrp dimas latihan
root@rifqimanarul-X441UV:/home# chown dimas latihan
root@rifqimanarul-X441UV:/home# ls -l
total 12
drwxr-xr-x  2 badu      badu      4096 Des  4 13:05 badu
drwxr-xr-x  2 dudi      dudi      4096 Des  4 13:05 dudi
-rw-r--r--  1 dimas     dimas           0 Jan  9 15:14 latihan
drwxr-xr-x 28 rifqimanarul rifqimanarul 4096 Jan  9 14:41 rifqimanarul
root@rifqimanarul-X441UV:/home#
```


Modul 7

1. Perintah mengarsip dan meng-kompresi seluruh file .conf di /etc/ dengan tar dan gzip secara bersamaan :

```
Activities  Terminal ▾
root@rifqimanarul-X441UV: /etc
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/etc# tar -czvf config.tar.gz *.conf
adduser.conf
apg.conf
appstream.conf
brltty.conf
ca-certificates.conf
debconf.conf
deluser.conf
fuse.conf
gai.conf
hdparm.conf
```

2. Perintah mengarsip dan meng-kompresi seluruh file .conf di /etc dengan zip :

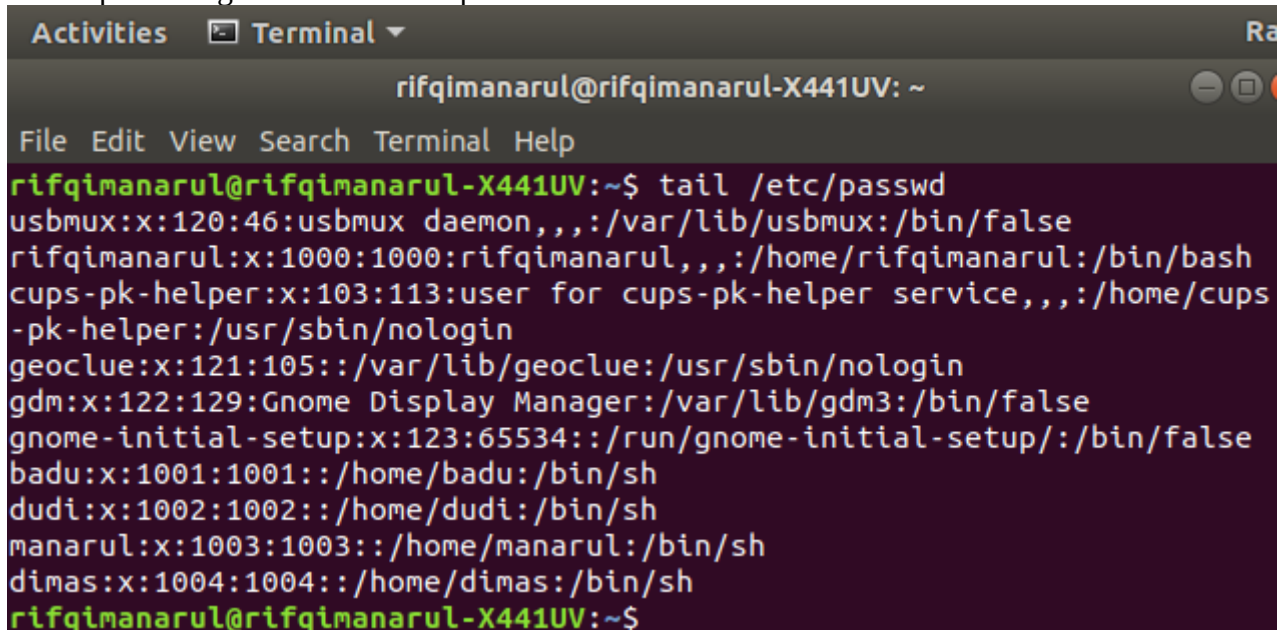
```
Activities  Terminal ▾
root@rifqimanarul-X441UV: /etc
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/etc# zip conf *.conf
  adding: adduser.conf (deflated 55%)
  adding: apg.conf (deflated 55%)
  adding: appstream.conf (deflated 47%)
  adding: brltty.conf (deflated 71%)
  adding: ca-certificates.conf (deflated 74%)
  adding: debconf.conf (deflated 56%)
  adding: deluser.conf (deflated 40%)
  adding: fuse.conf (deflated 35%)
  adding: gai.conf (deflated 57%)
  adding: hdparm.conf (deflated 57%)
  adding: host.conf (deflated 13%)
  adding: kernel-img.conf (deflated 10%)
```

3. Perintah mengekstrak file zip yang sudah dikompresi diatas :

```
Activities  Terminal ▾
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# unzip conf.zip
Archive:  conf.zip
  inflating: adduser.conf
  inflating: apg.conf
  inflating: appstream.conf
  inflating: brltty.conf
  inflating: ca-certificates.conf
  inflating: debconf.conf
  inflating: deluser.conf
  inflating: fuse.conf
```

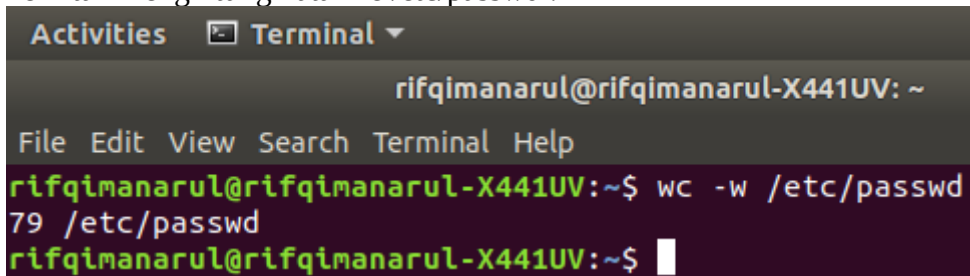
Modul 8

1. Menampilkan bagian akhir file /etc/passwd :



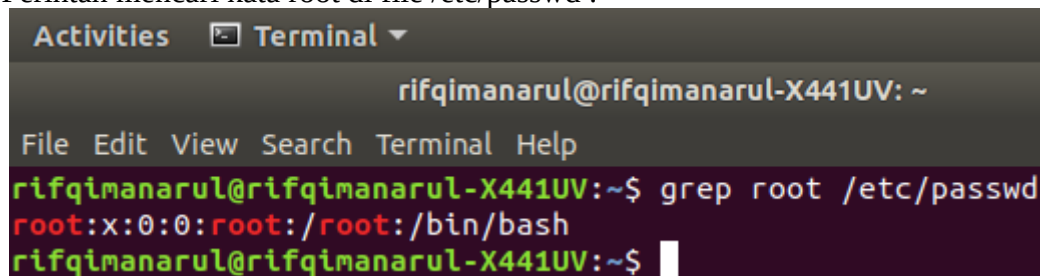
```
Activities Terminal ▾
rifqimanarul@rifqimanarul-X441UV: ~
File Edit View Search Terminal Help
rifqimanarul@rifqimanarul-X441UV:~$ tail /etc/passwd
usbmux:x:120:46:usbmux daemon,,,:/var/lib/usbmux:/bin/false
rifqimanarul:x:1000:1000:rifqimanarul,,,:/home/rifqimanarul:/bin/bash
cups-pk-helper:x:103:113:user for cups-pk-helper service,,,:/home/cups
-pk-helper:/usr/sbin/nologin
geoclue:x:121:105::/var/lib/geoclue:/usr/sbin/nologin
gdm:x:122:129:Gnome Display Manager:/var/lib/gdm3:/bin/false
gnome-initial-setup:x:123:65534::/run/gnome-initial-setup:/bin/false
badu:x:1001:1001::/home/badu:/bin/sh
dudi:x:1002:1002::/home/dudi:/bin/sh
manarul:x:1003:1003::/home/manarul:/bin/sh
dimas:x:1004:1004::/home/dimas:/bin/sh
rifqimanarul@rifqimanarul-X441UV:~$
```

2. Perintah menghitung kata file /etc/passwd :



```
Activities Terminal ▾
rifqimanarul@rifqimanarul-X441UV: ~
File Edit View Search Terminal Help
rifqimanarul@rifqimanarul-X441UV:~$ wc -w /etc/passwd
79 /etc/passwd
rifqimanarul@rifqimanarul-X441UV:~$
```

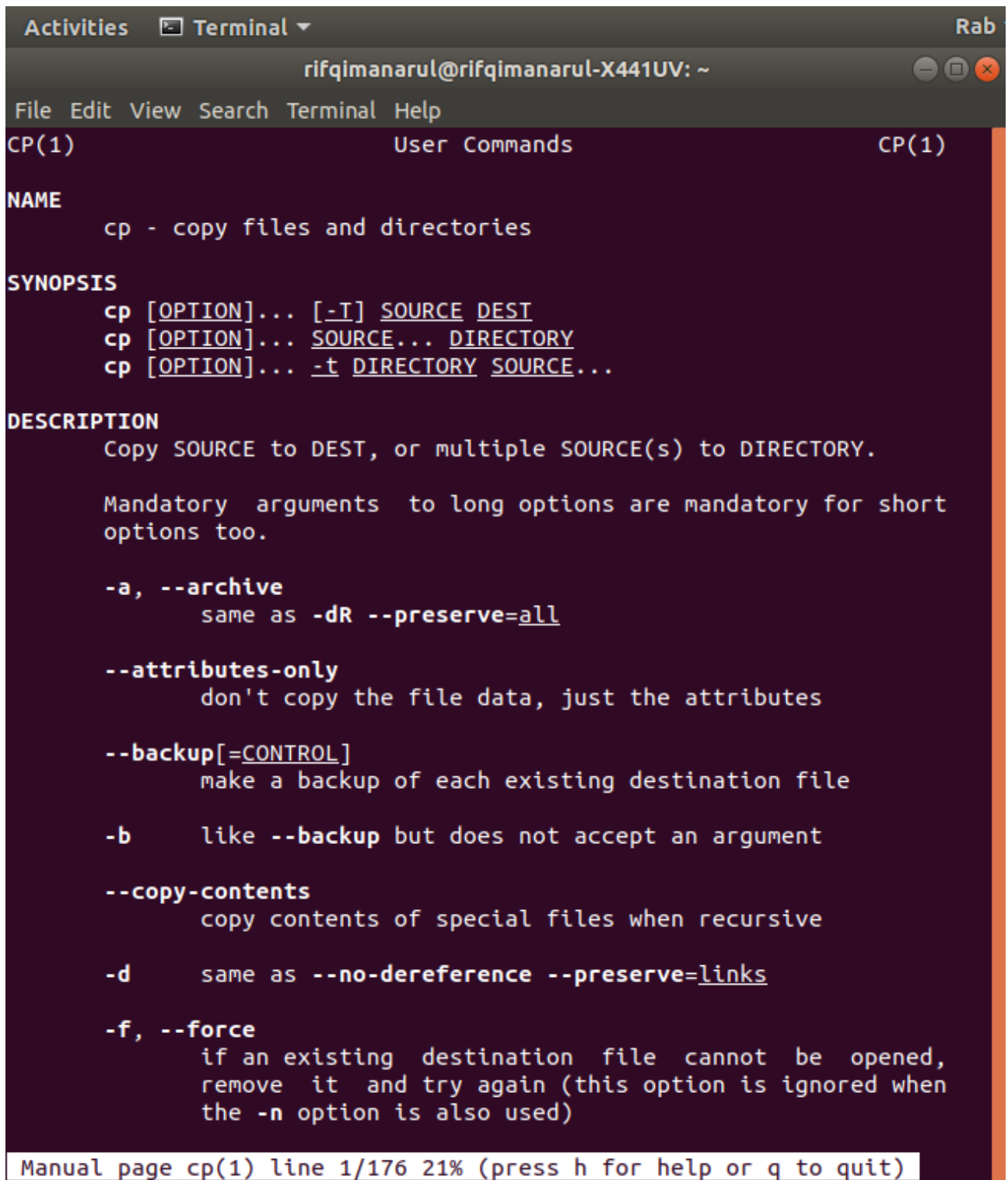
3. Perintah mencari kata root di file /etc/passwd :



```
Activities Terminal ▾
rifqimanarul@rifqimanarul-X441UV: ~
File Edit View Search Terminal Help
rifqimanarul@rifqimanarul-X441UV:~$ grep root /etc/passwd
root:x:0:0:root:/root:/bin/bash
rifqimanarul@rifqimanarul-X441UV:~$
```

Modul 9

1. Tampilkan halaman manual dari perintah cp :



```
Activities  Terminal ▾  Rab
rifqimanarul@rifqimanarul-X441UV: ~
File Edit View Search Terminal Help
CP(1) User Commands CP(1)

NAME
    cp - copy files and directories

SYNOPSIS
    cp [OPTION]... [-T] SOURCE DEST
    cp [OPTION]... SOURCE... DIRECTORY
    cp [OPTION]... -t DIRECTORY SOURCE...

DESCRIPTION
    Copy SOURCE to DEST, or multiple SOURCE(s) to DIRECTORY.

    Mandatory arguments to long options are mandatory for short
    options too.

    -a, --archive
        same as -dR --preserve=all

    --attributes-only
        don't copy the file data, just the attributes

    --backup[=CONTROL]
        make a backup of each existing destination file

    -b
        like --backup but does not accept an argument

    --copy-contents
        copy contents of special files when recursive

    -d
        same as --no-dereference --preserve=links

    -f, --force
        if an existing destination file cannot be opened,
        remove it and try again (this option is ignored when
        the -n option is also used)

Manual page cp(1) line 1/176 21% (press h for help or q to quit)
```


2. Tampilkan halaman info dari perintah date :

```
Activities Terminal ▾
rifqimanarul@rifqimanarul-X441UV: ~
File Edit View Search Terminal Help

date [OPTION]... [+FORMAT]
date [-u|--utc|--universal] [ MMDDhhmm[[CC]YY][.ss] ]

Invoking 'date' with no FORMAT argument is equivalent to invoking \
it
with a default format that depends on the 'LC_TIME' locale category. \
In
the default C locale, this format is '+%a %b %e %H:%M:%S %Z %Y', so
the output looks like 'Thu Mar  3 13:47:51 PST 2005'.

Normally, 'date' uses the time zone rules indicated by the 'TZ'
environment variable, or the system default rules if 'TZ' is not set.
*Note Specifying the Time Zone with 'TZ': (libc)TZ Variable.

If given an argument that starts with a '+', 'date' prints the
current date and time (or the date and time specified by the '--date'
option, see below) in the format defined by that argument, which is
similar to that of the 'strftime' function. Except for conversion
specifiers, which start with '%', characters in the format string are
printed unchanged. The conversion specifiers are described below.

An exit status of zero indicates success, and a nonzero value
indicates failure.

* Menu:

* Time conversion specifiers::      %[HIkLMNpPrRsSTXzZ]
* Date conversion specifiers::      %[aAbBcCdDeFgGhjmuUVwWxyY]
* Literal conversion specifiers::    %[%nt]
* Padding and other flags::          Pad with zeros, spaces, etc.
* Setting the time::                 Changing the system clock.
* Options for date::                 Instead of the current time.
* Date input formats::               Specifying date strings.
* Examples of date::                 Examples.

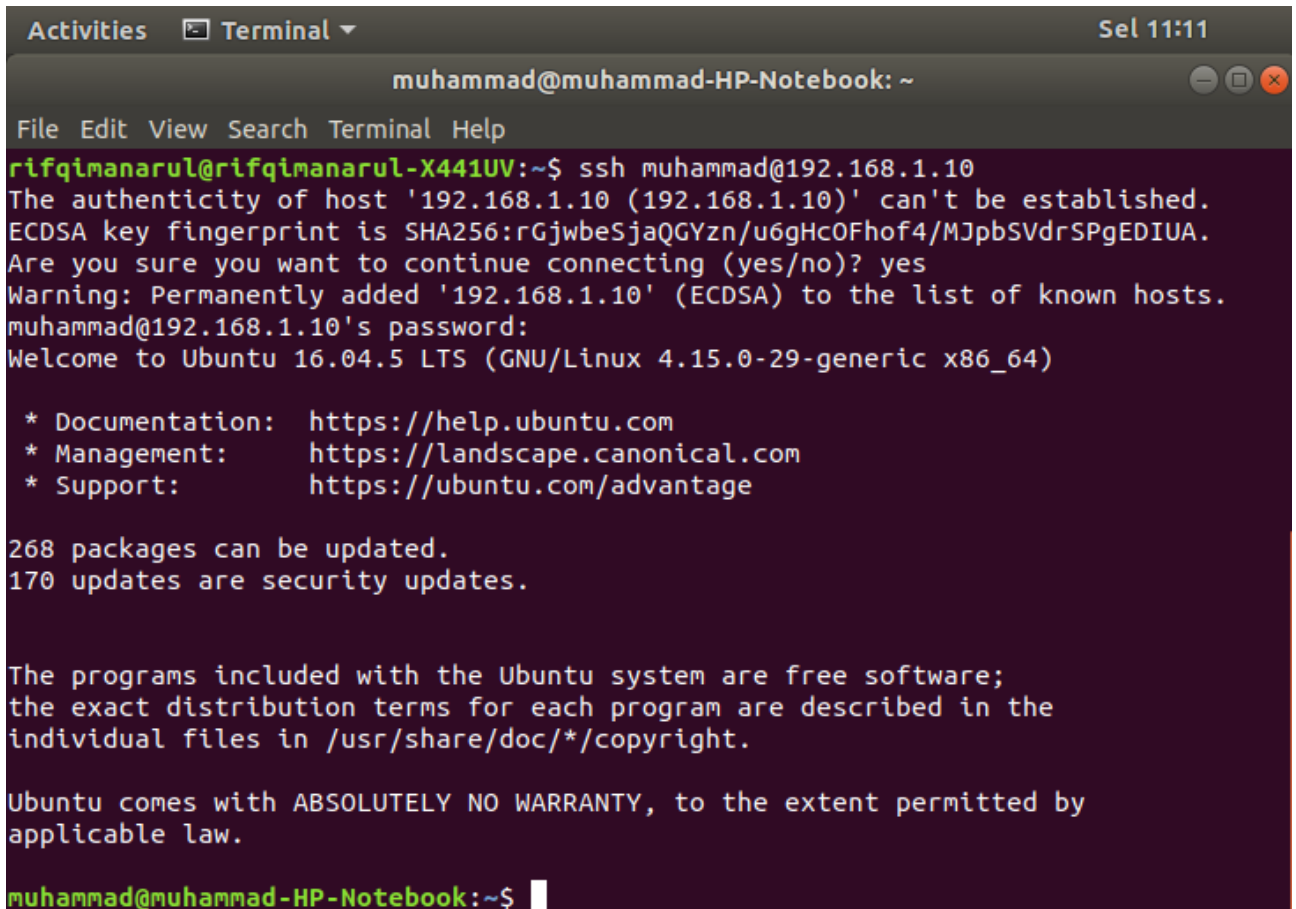
-----Info: (coreutils)date invocation, 42 lines --Bot-----
```

Modul 10

Terdapat sebuah sistem Linux dengan ip dan username sebagai berikut :

- IP: 192.168.1.10
- username: muhammad

1. Jalankan Perintah meremote komputer muhammad :



```
Activities Terminal Sel 11:11
muhammad@muhammad-HP-Notebook: ~
File Edit View Search Terminal Help
rifqimanarul@rifqimanarul-X441UV:~$ ssh muhammad@192.168.1.10
The authenticity of host '192.168.1.10 (192.168.1.10)' can't be established.
ECDSA key fingerprint is SHA256:rGjwbeSjaQGYzn/u6gHcOFhof4/MJpbSVdrSPgEDIUA.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.1.10' (ECDSA) to the list of known hosts.
muhammad@192.168.1.10's password:
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.15.0-29-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

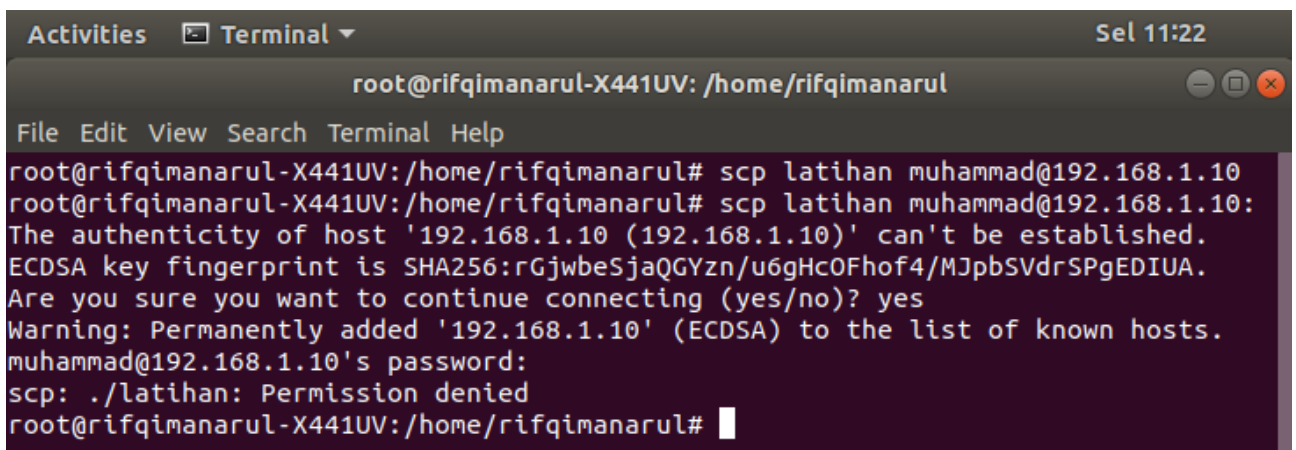
268 packages can be updated.
170 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

muhammad@muhammad-HP-Notebook:~$
```

2. Jalankan Perintah mengcopy file latihan ke komputer muhammad :



```
Activities Terminal Sel 11:22
root@rifqimanarul-X441UV: /home/rifqimanarul
File Edit View Search Terminal Help
root@rifqimanarul-X441UV:/home/rifqimanarul# scp latihan muhammad@192.168.1.10
root@rifqimanarul-X441UV:/home/rifqimanarul# scp latihan muhammad@192.168.1.10:
The authenticity of host '192.168.1.10 (192.168.1.10)' can't be established.
ECDSA key fingerprint is SHA256:rGjwbeSjaQGYzn/u6gHcOFhof4/MJpbSVdrSPgEDIUA.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.1.10' (ECDSA) to the list of known hosts.
muhammad@192.168.1.10's password:
scp: ./latihan: Permission denied
root@rifqimanarul-X441UV:/home/rifqimanarul#
```