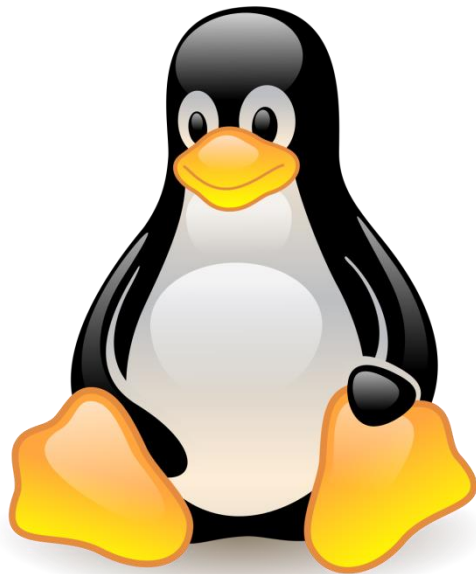


## Challenge POSA TI-2



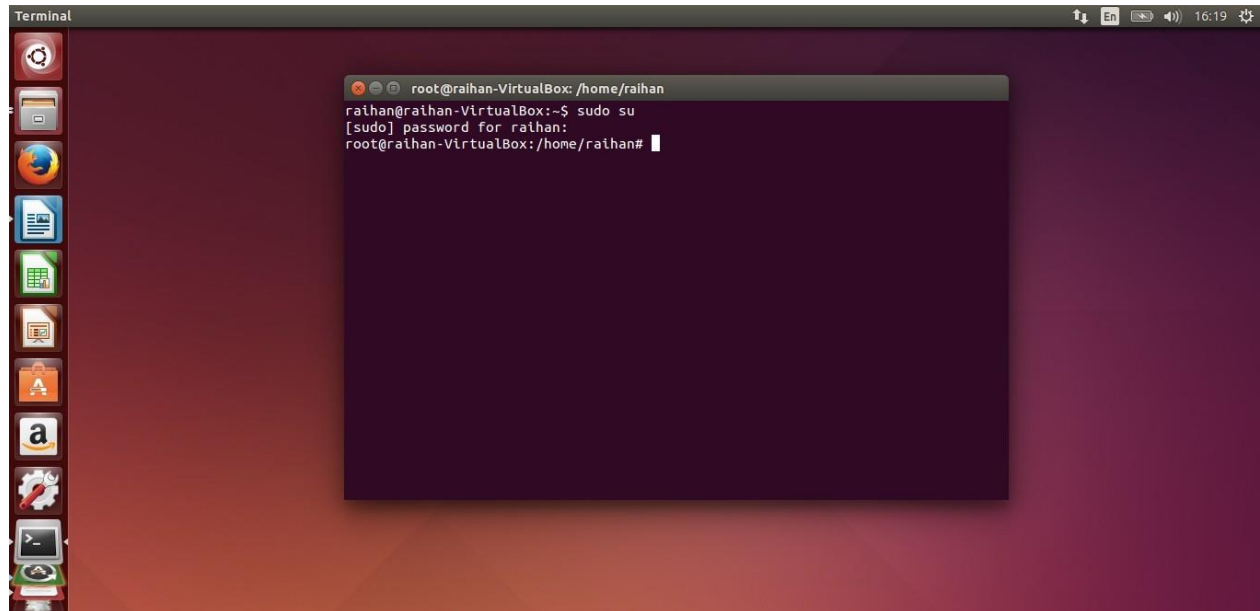
**Nama : Qeis Alfarizy**

**Prodi : TI 02**

**NIM : 0110218020**

## Modul 1

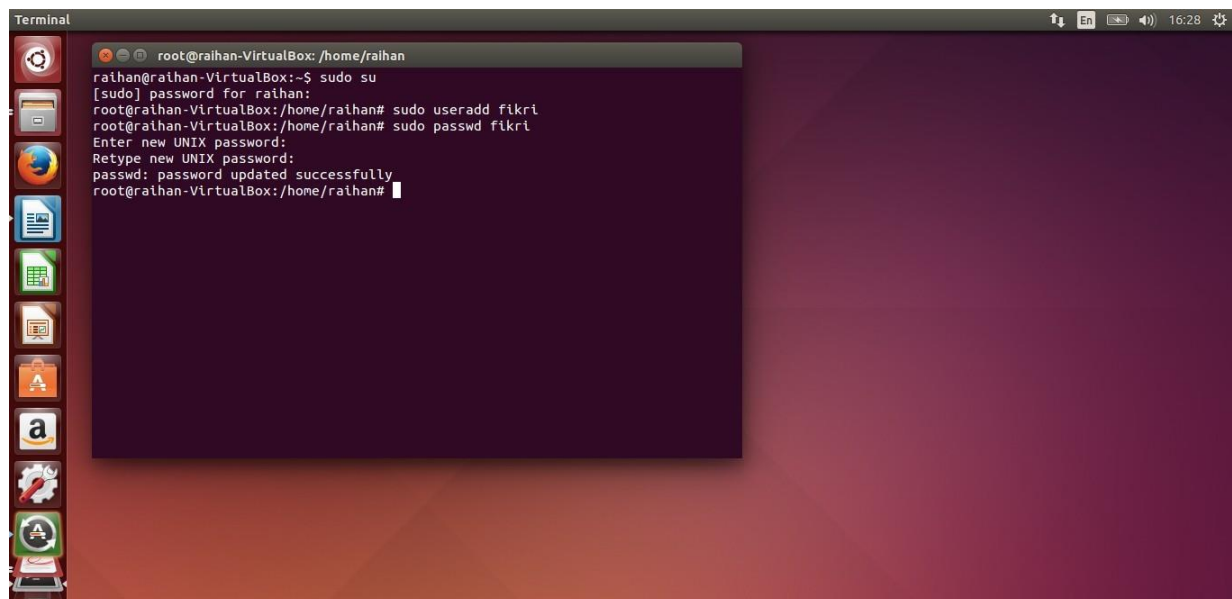
### 1. Perintah berubah dari user biasa menjadi user root:



A terminal window titled "Terminal" with a dark purple background. The prompt is "root@raihan-VirtualBox: /home/raihan". The user "raihan" enters the command "sudo su". The prompt changes to "[sudo] password for raihan:". The user enters their password, and the prompt changes to "root@raihan-VirtualBox: /home/raihan#". The terminal window is open on a desktop with a vertical dock on the left containing icons for various applications like a file manager, web browser, and office suite. The system tray at the top right shows the time as 16:19.

```
root@raihan-VirtualBox: /home/raihan
raihan@raihan-VirtualBox:~$ sudo su
[sudo] password for raihan:
root@raihan-VirtualBox: /home/raihan#
```

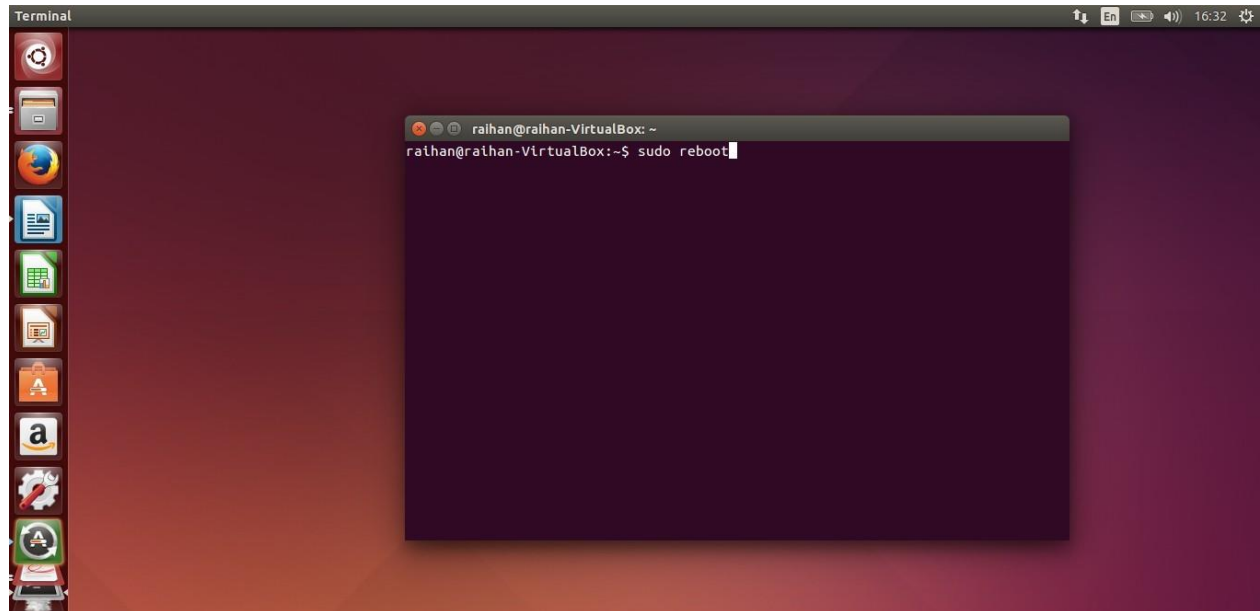
### 2. Perintah mengubah password user fikri:



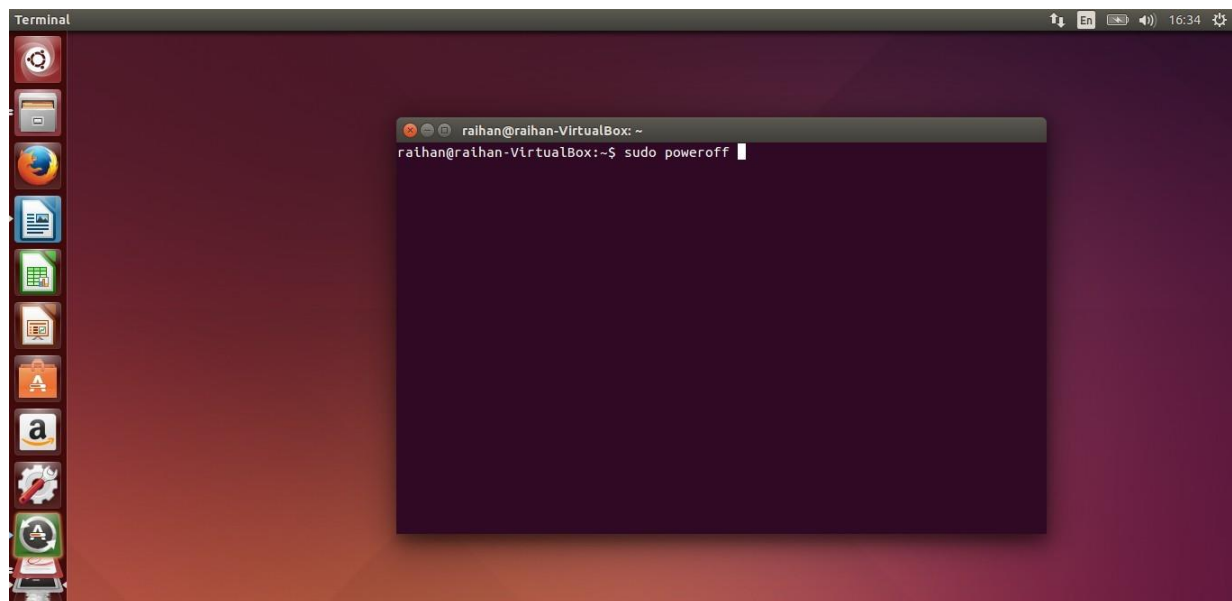
A terminal window titled "Terminal" with a dark purple background. The prompt is "root@raihan-VirtualBox: /home/raihan". The user "raihan" enters the command "sudo su". The prompt changes to "[sudo] password for raihan:". The user enters their password, and the prompt changes to "root@raihan-VirtualBox: /home/raihan#". The user enters the command "sudo useradd fikri". The prompt changes to "root@raihan-VirtualBox: /home/raihan#". The user enters the command "sudo passwd fikri". The prompt changes to "Enter new UNIX password:". The user enters a password, and the prompt changes to "Retype new UNIX password:". The user enters the same password, and the prompt changes to "passwd: password updated successfully". The prompt changes to "root@raihan-VirtualBox: /home/raihan#". The terminal window is open on a desktop with a vertical dock on the left containing icons for various applications like a file manager, web browser, and office suite. The system tray at the top right shows the time as 16:28.

```
root@raihan-VirtualBox: /home/raihan
raihan@raihan-VirtualBox:~$ sudo su
[sudo] password for raihan:
root@raihan-VirtualBox: /home/raihan# sudo useradd fikri
root@raihan-VirtualBox: /home/raihan# sudo passwd fikri
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
root@raihan-VirtualBox: /home/raihan#
```

### 3. Perintah me-restart Linux:



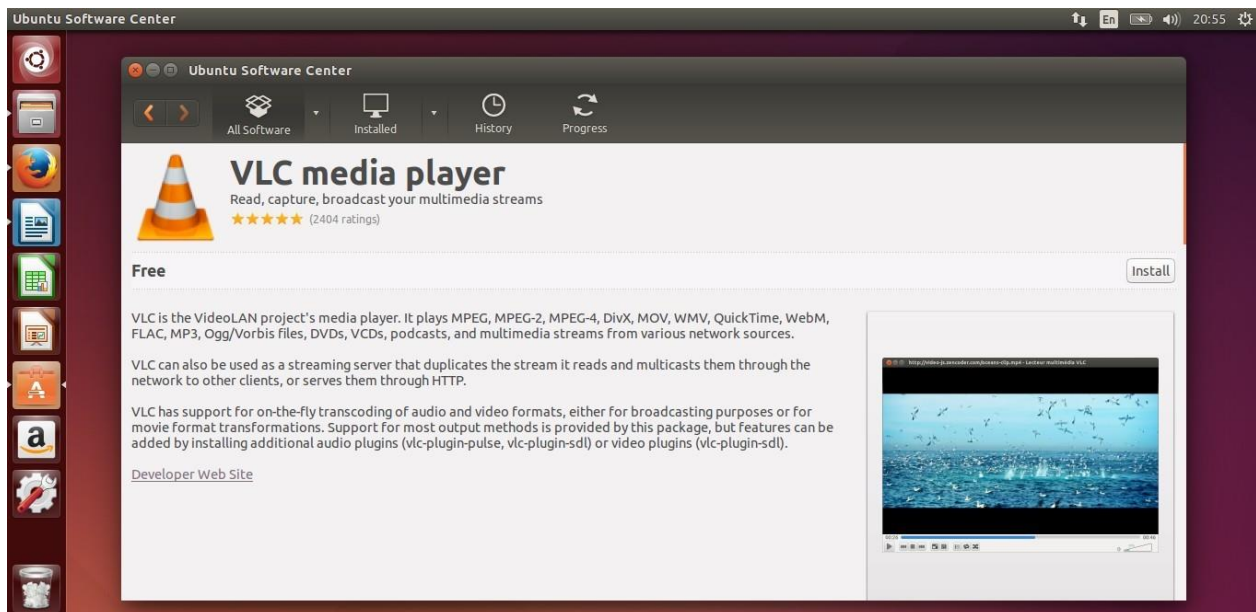
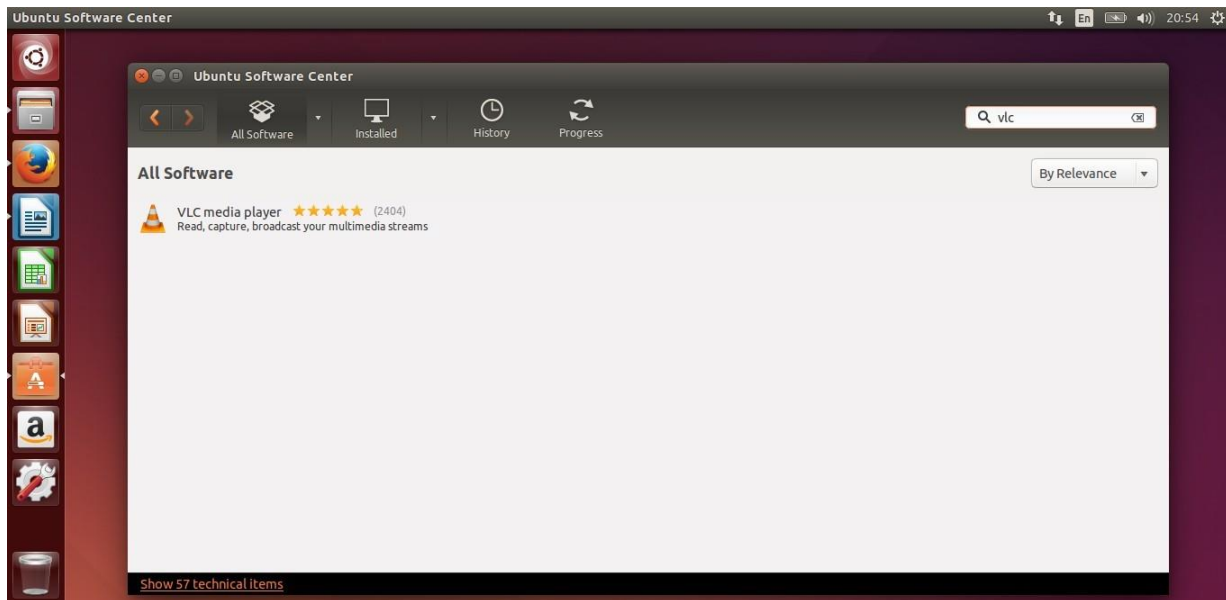
### 4. Perintah mematikan Linux:



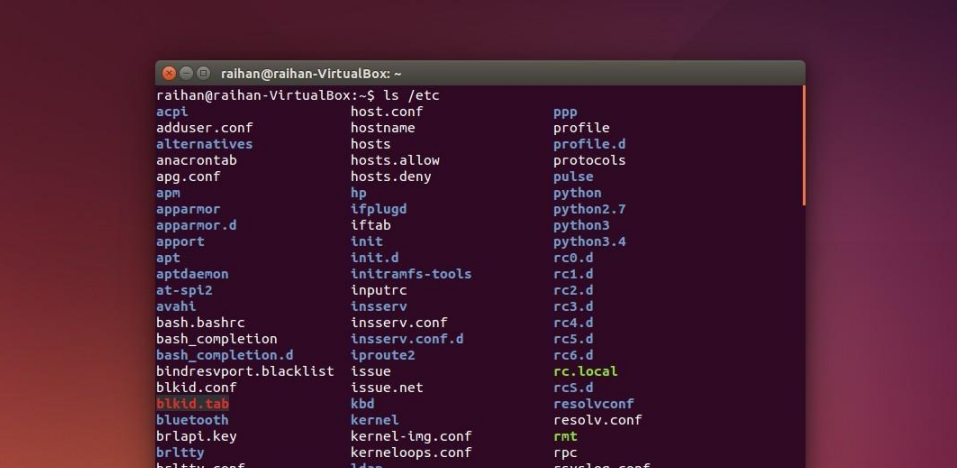
## Modul 2

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

- Buka Ubuntu Software Center
- Ketik di Pencarian
- Dan Klik Install



### 1. Perintah melihat isi direktori /etc:

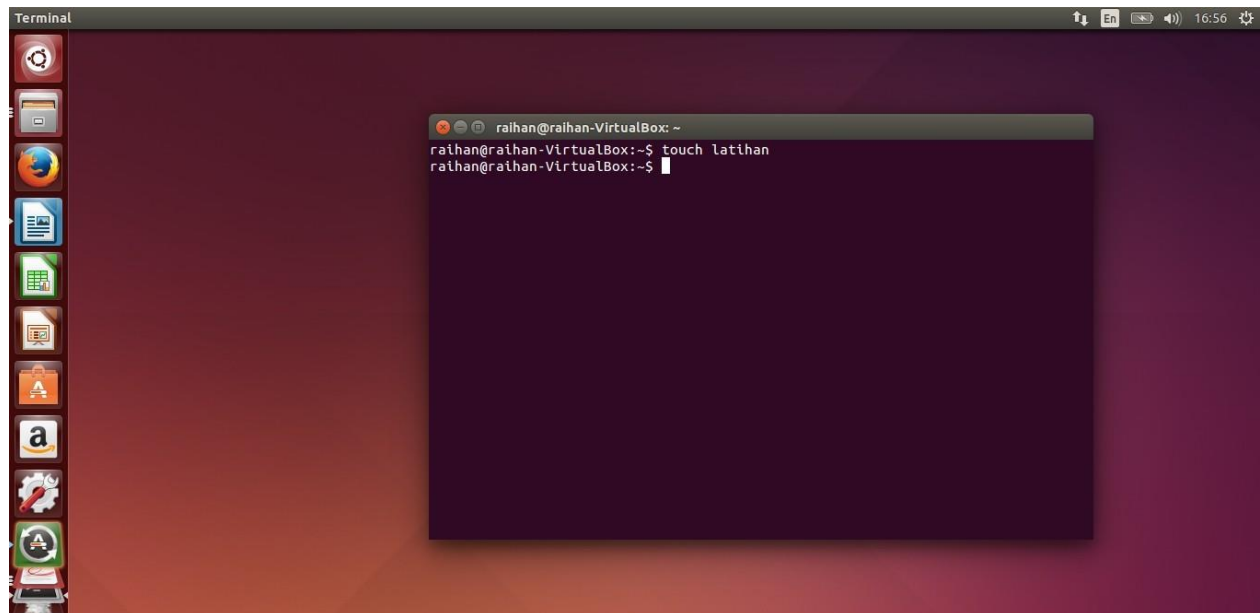


The screenshot shows a Linux desktop environment with a dark purple background. On the left side, there is a vertical dock containing several application icons: a red square icon, a Firefox browser icon, a LibreOffice Writer icon, a LibreOffice Calc icon, a LibreOffice Impress icon, a shopping bag icon, an Amazon logo icon, a gear icon, and a terminal icon. The terminal window is open, displaying the command 'ls /etc' and its output, which lists various configuration files and directories in the /etc directory. The output is displayed in three columns.

```

raihan@raihan-VirtualBox: ~$ ls /etc
acpi                    host.conf              ppp
adduser.conf           hostname              profile
alternatives           hosts                 profile.d
anacrontab             hosts.allow           protocols
apg.conf              hosts.deny            pulse
apm                   hp                   python
apparmor              ifplugd              python2.7
apparmor.d            iftab                python3
appport              init                 python3.4
apt                  init.d               rc0.d
aptdaemon            initramfs-tools      rc1.d
at-spi2              inputrc              rc2.d
avahi                inserv               rc3.d
bash.bashrc          inserv.conf          rc4.d
bash_completion      inserv.conf.d        rc5.d
bash_completion.d    iproute2             rc6.d
bindresvport.blacklist issue                 rc.local
blkid.conf           issue.net             rcS.d
blkid.tab            kbld                 resolvconf
bluetooth            kernel               resolv.conf
brlapi.key           kernel-img.conf      rmt
brltty              kerneloops.conf      rpc
brltty.conf         ldap                 rsyslog.conf
  
```

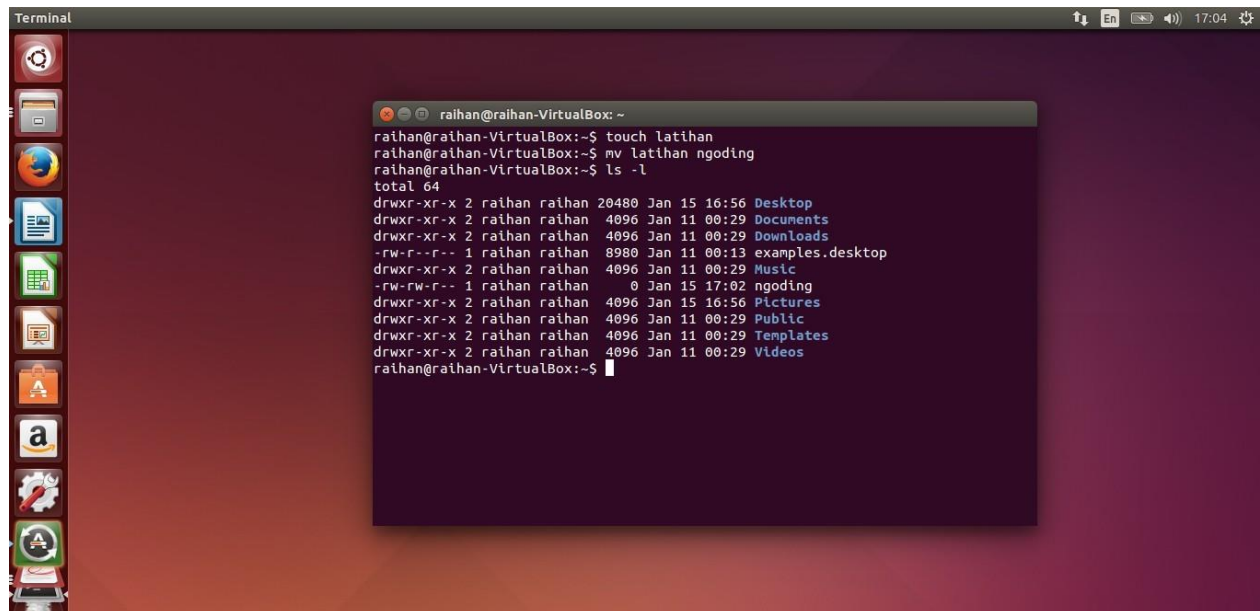
## 2. Perintah membuat file bernama latihan:



A terminal window titled "Terminal" is shown. The prompt is "raihan@raihan-VirtualBox: ~". The command "touch latihan" has been entered and executed. The prompt is now "raihan@raihan-VirtualBox:~\$".

```
raihan@raihan-VirtualBox: ~
raihan@raihan-VirtualBox:~$ touch latihan
raihan@raihan-VirtualBox:~$
```

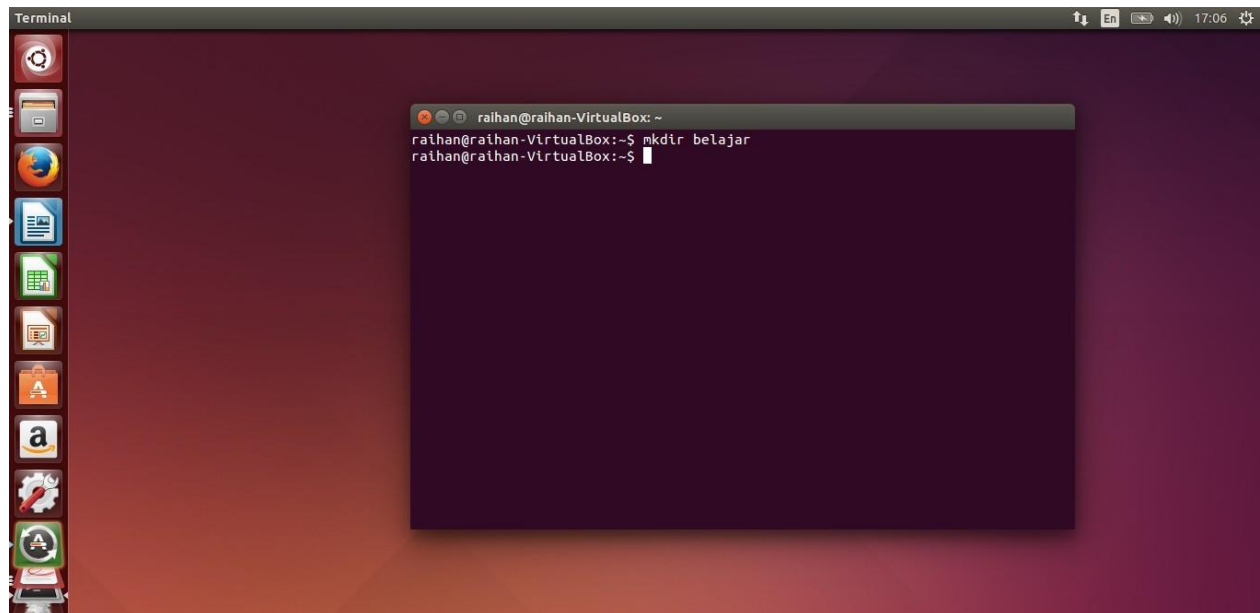
## 3. Perintah mengubah nama file latihan menjadi ngoding:



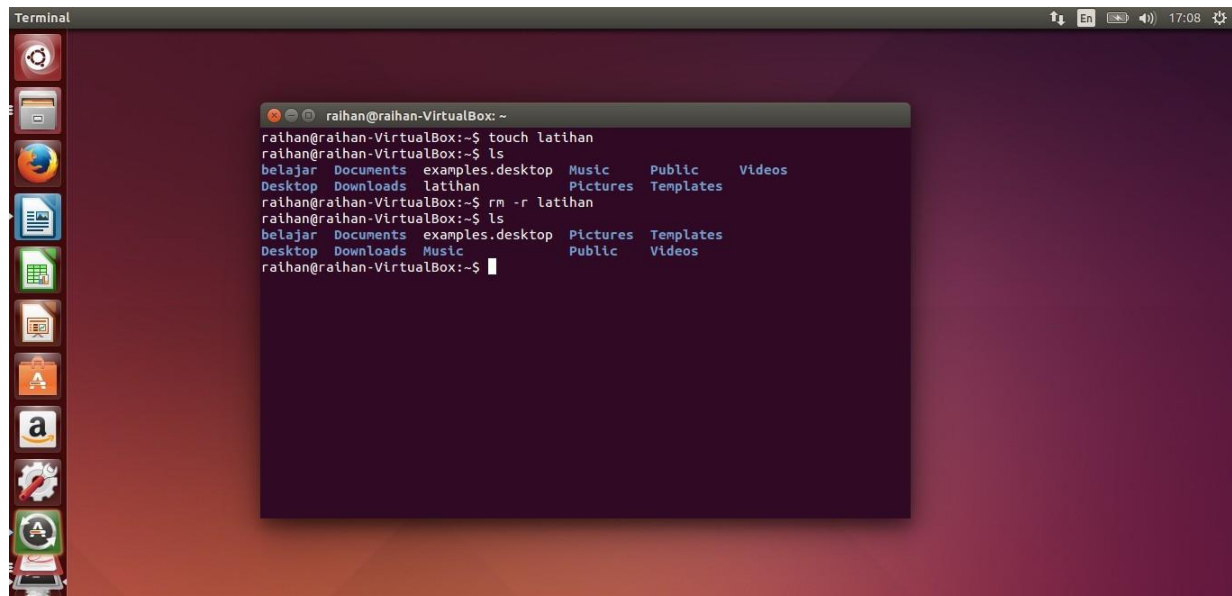
A terminal window titled "Terminal" is shown. The prompt is "raihan@raihan-VirtualBox: ~". The command "touch latihan" has been entered and executed. The prompt is now "raihan@raihan-VirtualBox:~\$". The command "mv latihan ngoding" has been entered and executed. The prompt is now "raihan@raihan-VirtualBox:~\$". The command "ls -l" has been entered and executed, showing the output of the command.

```
raihan@raihan-VirtualBox: ~
raihan@raihan-VirtualBox:~$ touch latihan
raihan@raihan-VirtualBox:~$ mv latihan ngoding
raihan@raihan-VirtualBox:~$ ls -l
total 64
drwxr-xr-x 2 raihan raihan 20480 Jan 15 16:56 Desktop
drwxr-xr-x 2 raihan raihan 4096 Jan 11 00:29 Documents
drwxr-xr-x 2 raihan raihan 4096 Jan 11 00:29 Downloads
-rw-r--r-- 1 raihan raihan 8980 Jan 11 00:13 examples.desktop
drwxr-xr-x 2 raihan raihan 4096 Jan 11 00:29 Music
-rw-rw-r-- 1 raihan raihan 0 Jan 15 17:02 ngoding
drwxr-xr-x 2 raihan raihan 4096 Jan 15 16:56 Pictures
drwxr-xr-x 2 raihan raihan 4096 Jan 11 00:29 Public
drwxr-xr-x 2 raihan raihan 4096 Jan 11 00:29 Templates
drwxr-xr-x 2 raihan raihan 4096 Jan 11 00:29 Videos
raihan@raihan-VirtualBox:~$
```

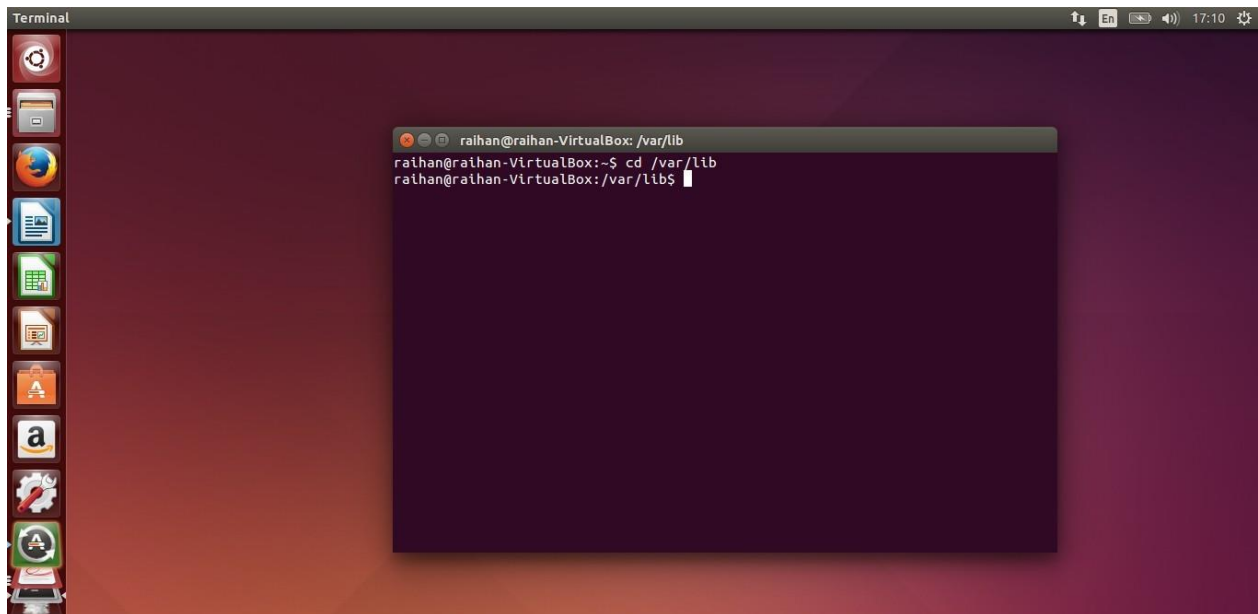
## 1. Membuat direktori bernama belajar:



## 2. Perintah menghapus file bernama latihan:



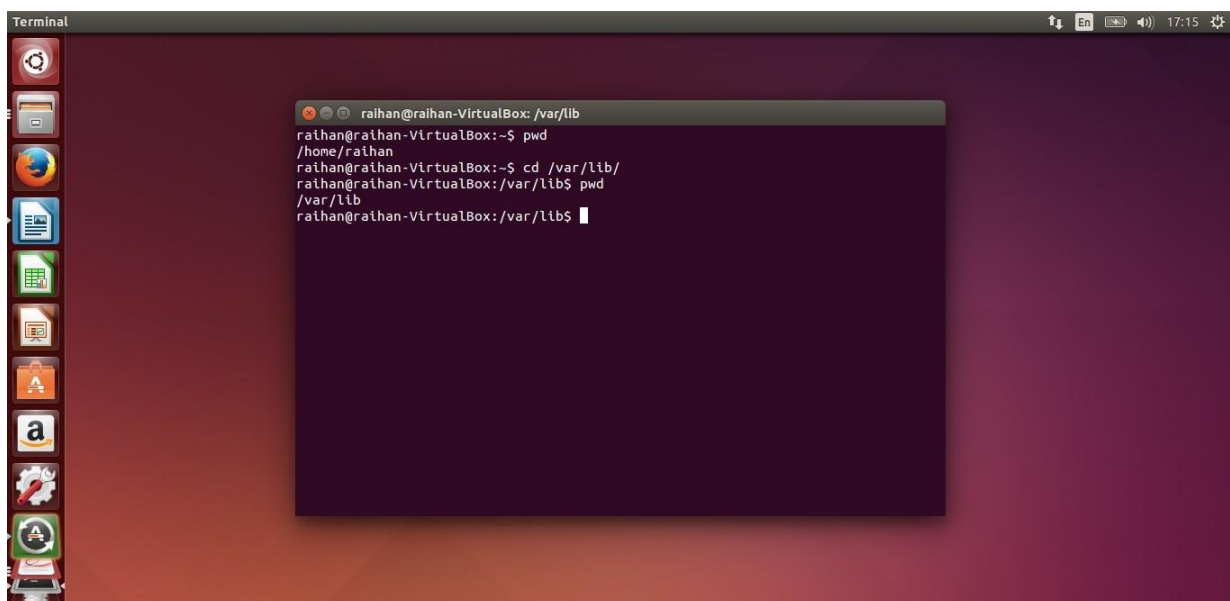
### 3. Perintah pindah ke direktori /var/lib:



A terminal window titled "Terminal" is shown on a desktop environment. The window has a dark purple background. On the left side of the desktop, there is a vertical dock with several application icons. The terminal window displays the following text:

```
raihan@raihan-VirtualBox: /var/lib
raihan@raihan-VirtualBox:~$ cd /var/lib
raihan@raihan-VirtualBox: /var/lib$
```

### 4. Cek posisi direktori sekarang:



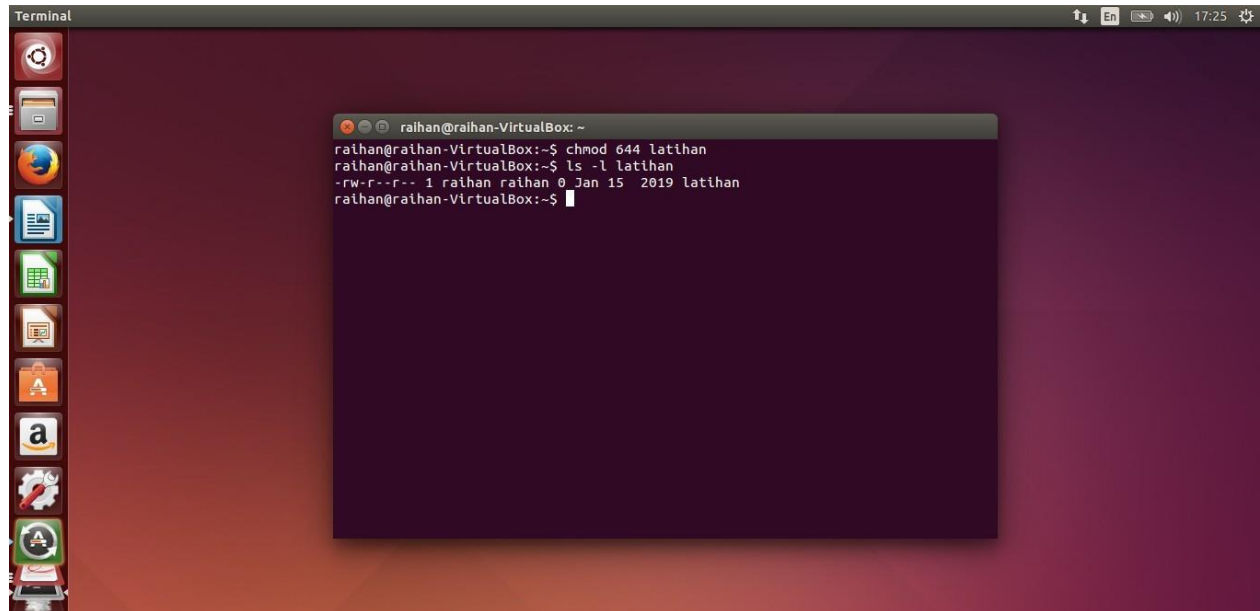
A terminal window titled "Terminal" is shown on a desktop environment. The window has a dark purple background. On the left side of the desktop, there is a vertical dock with several application icons. The terminal window displays the following text:

```
raihan@raihan-VirtualBox: /var/lib
raihan@raihan-VirtualBox:~$ pwd
/home/raihan
raihan@raihan-VirtualBox:~$ cd /var/lib/
raihan@raihan-VirtualBox: /var/lib$ pwd
/var/lib
raihan@raihan-VirtualBox: /var/lib$
```



## Modul 6

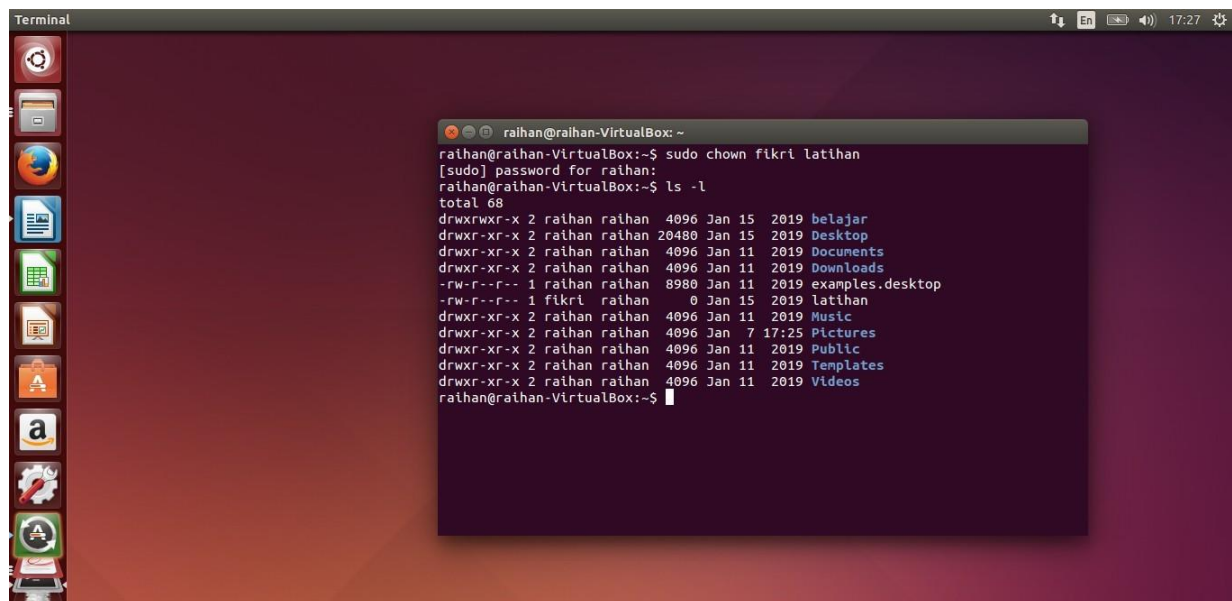
### 1. Mengubah izin akses file latihan menjadi rw-r-r--:



A terminal window titled "Terminal" with a dark purple background and a sidebar of application icons on the left. The terminal shows the following commands and output:

```
raihan@raihan-VirtualBox: ~  
raihan@raihan-VirtualBox:~$ chmod 644 latihan  
raihan@raihan-VirtualBox:~$ ls -l latihan  
-rw-r--r-- 1 raihan raihan 0 Jan 15 2019 latihan  
raihan@raihan-VirtualBox:~$
```

### 2. Mengubah pemilik file latihan menjadi rifki.

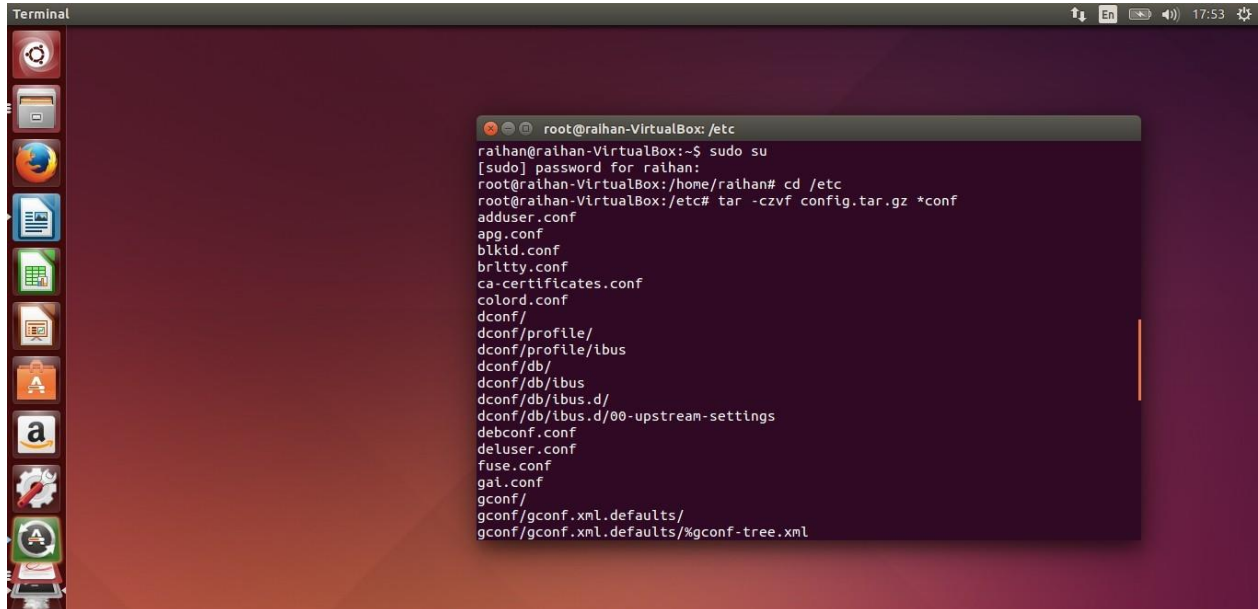


A terminal window titled "Terminal" with a dark purple background and a sidebar of application icons on the left. The terminal shows the following commands and output:

```
raihan@raihan-VirtualBox: ~  
raihan@raihan-VirtualBox:~$ sudo chown fikri latihan  
[sudo] password for raihan:  
raihan@raihan-VirtualBox:~$ ls -l  
total 68  
drwxrwxr-x 2 raihan raihan 4096 Jan 15 2019 belajar  
drwxr-xr-x 2 raihan raihan 20480 Jan 15 2019 Desktop  
drwxr-xr-x 2 raihan raihan 4096 Jan 11 2019 Documents  
drwxr-xr-x 2 raihan raihan 4096 Jan 11 2019 Downloads  
-rw-r--r-- 1 raihan raihan 8980 Jan 11 2019 examples.desktop  
-rw-r--r-- 1 fikri raihan 0 Jan 15 2019 latihan  
drwxr-xr-x 2 raihan raihan 4096 Jan 11 2019 Music  
drwxr-xr-x 2 raihan raihan 4096 Jan 7 17:25 Pictures  
drwxr-xr-x 2 raihan raihan 4096 Jan 11 2019 Public  
drwxr-xr-x 2 raihan raihan 4096 Jan 11 2019 Templates  
drwxr-xr-x 2 raihan raihan 4096 Jan 11 2019 Videos  
raihan@raihan-VirtualBox:~$
```

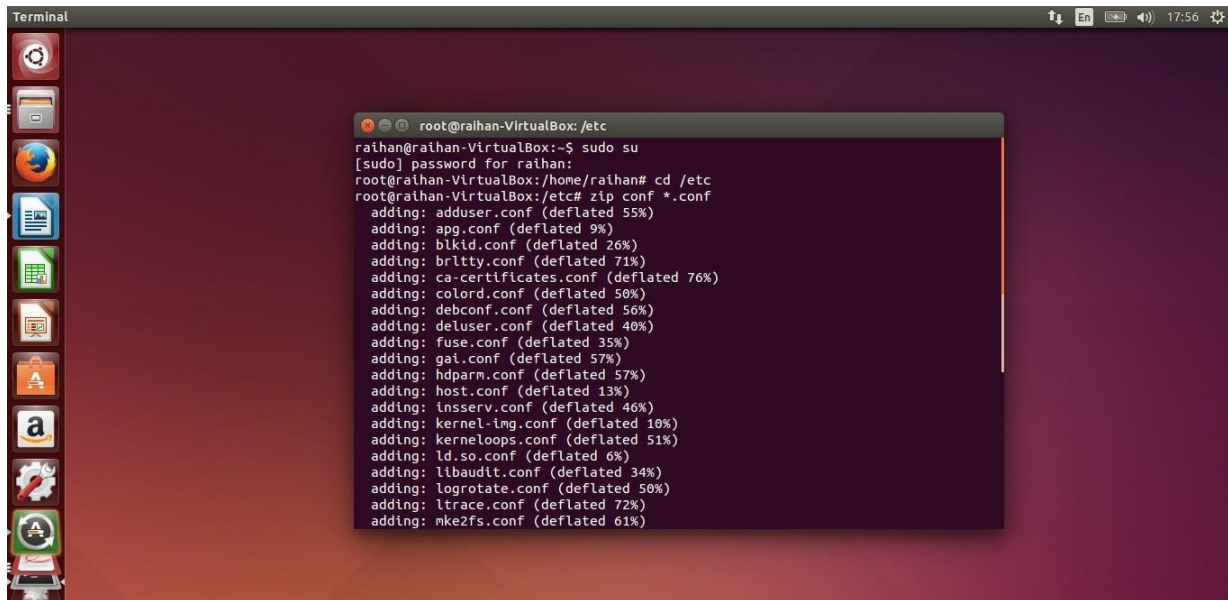
## Modul 7

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

A terminal window titled 'Terminal' with a dark purple background. On the left is a vertical sidebar with various application icons. The terminal text shows a user named 'raihan' at a 'raihan-VirtualBox' machine. They run 'sudo su' to become root. Then they run 'tar -czvf config.tar.gz \*conf' in the '/etc' directory. The output lists 15 files being archived: adduser.conf, apg.conf, blkid.conf, brltty.conf, ca-certificates.conf, colord.conf, dconf/, dconf/profile/, dconf/profile/ibus, dconf/db/, dconf/db/ibus, dconf/db/ibus.d/, dconf/db/ibus.d/00-upstream-settings, debconf.conf, deluser.conf, fuse.conf, gal.conf, gconf/, gconf/gconf.xml.defaults/, and gconf/gconf.xml.defaults/%gconf-tree.xml.

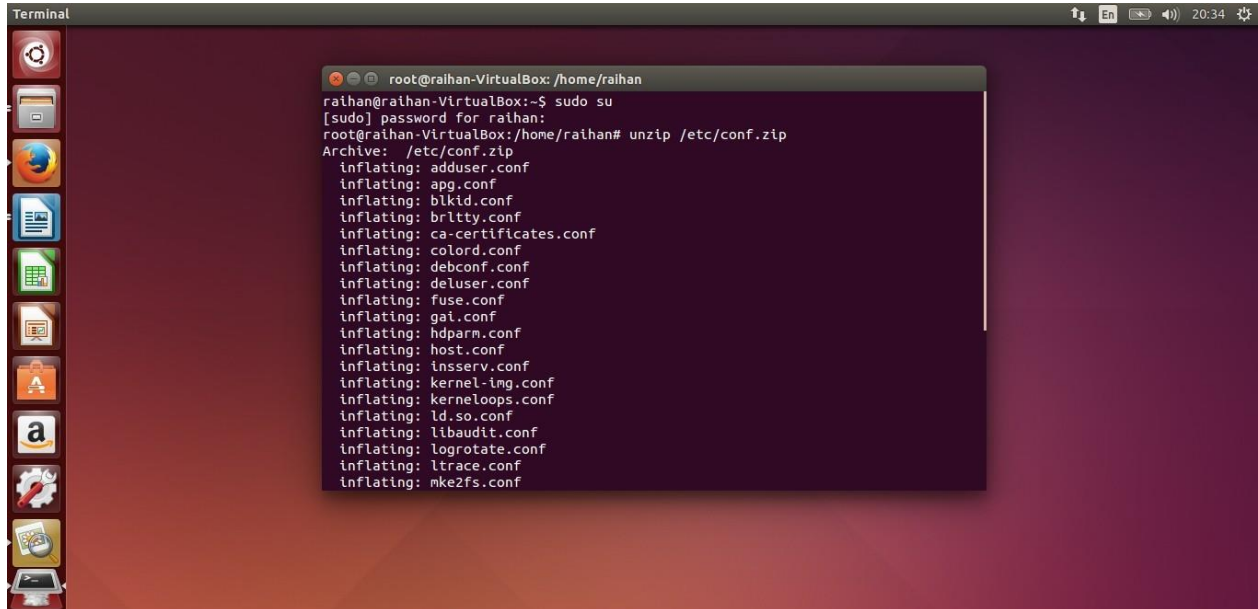
```
Terminal
root@raihan-VirtualBox: /etc
raihan@raihan-VirtualBox:~$ sudo su
[sudo] password for raihan:
root@raihan-VirtualBox:/home/raihan# cd /etc
root@raihan-VirtualBox:/etc# tar -czvf config.tar.gz *conf
adduser.conf
apg.conf
blkid.conf
brltty.conf
ca-certificates.conf
colord.conf
dconf/
dconf/profile/
dconf/profile/ibus
dconf/db/
dconf/db/ibus
dconf/db/ibus.d/
dconf/db/ibus.d/00-upstream-settings
debconf.conf
deluser.conf
fuse.conf
gal.conf
gconf/
gconf/gconf.xml.defaults/
gconf/gconf.xml.defaults/%gconf-tree.xml
```

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

A terminal window titled 'Terminal' with a dark purple background. On the left is a vertical sidebar with various application icons. The terminal text shows a user named 'raihan' at a 'raihan-VirtualBox' machine. They run 'sudo su' to become root. Then they run 'zip conf \*.conf' in the '/etc' directory. The output shows 25 files being added to the 'conf' archive with their respective deflation percentages: adduser.conf (55%), apg.conf (9%), blkid.conf (26%), brltty.conf (71%), ca-certificates.conf (76%), colord.conf (50%), debconf.conf (56%), deluser.conf (40%), fuse.conf (35%), gal.conf (57%), hdparm.conf (57%), host.conf (13%), lnsserv.conf (46%), kernel-img.conf (10%), kerneloops.conf (51%), ld.so.conf (6%), libaudit.conf (34%), logrotate.conf (50%), ltrace.conf (72%), and mke2fs.conf (61%).

```
Terminal
root@raihan-VirtualBox: /etc
raihan@raihan-VirtualBox:~$ sudo su
[sudo] password for raihan:
root@raihan-VirtualBox:/home/raihan# cd /etc
root@raihan-VirtualBox:/etc# zip conf *.conf
adding: adduser.conf (deflated 55%)
adding: apg.conf (deflated 9%)
adding: blkid.conf (deflated 26%)
adding: brltty.conf (deflated 71%)
adding: ca-certificates.conf (deflated 76%)
adding: colord.conf (deflated 50%)
adding: debconf.conf (deflated 56%)
adding: deluser.conf (deflated 40%)
adding: fuse.conf (deflated 35%)
adding: gal.conf (deflated 57%)
adding: hdparm.conf (deflated 57%)
adding: host.conf (deflated 13%)
adding: lnsserv.conf (deflated 46%)
adding: kernel-img.conf (deflated 10%)
adding: kerneloops.conf (deflated 51%)
adding: ld.so.conf (deflated 6%)
adding: libaudit.conf (deflated 34%)
adding: logrotate.conf (deflated 50%)
adding: ltrace.conf (deflated 72%)
adding: mke2fs.conf (deflated 61%)
```

### 3. Perintah mengekstrak file zip yang sudah dikompresi di atas:

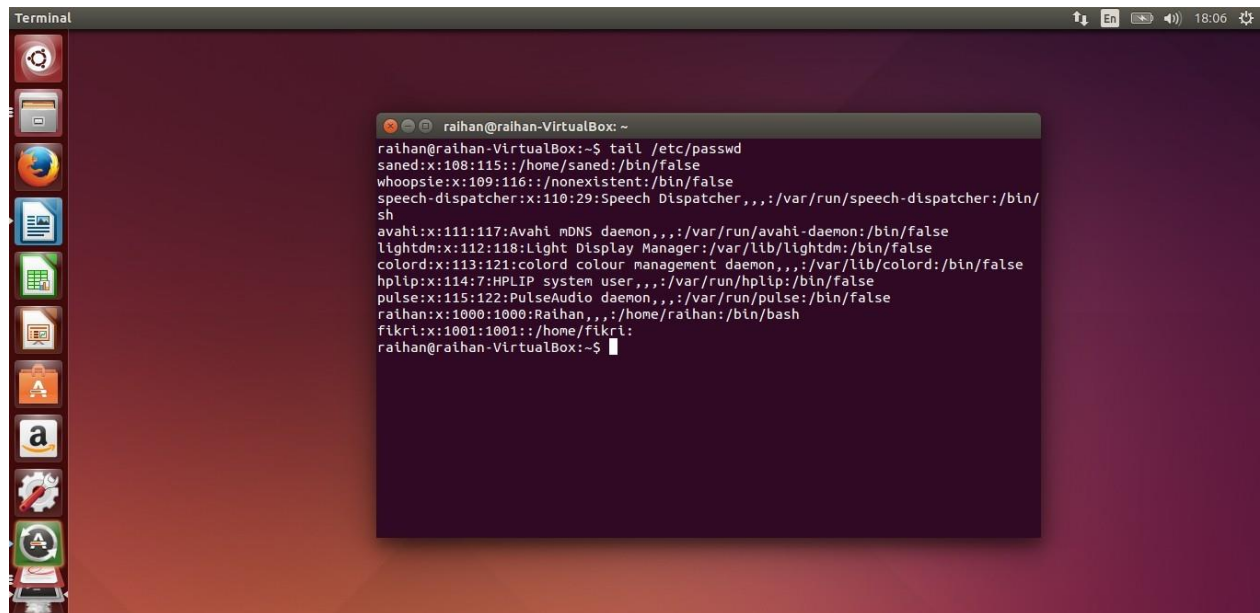


The screenshot shows a terminal window titled "Terminal" with a dark background. The prompt is "root@raihan-VirtualBox: /home/raihan". The user has entered "sudo su" and provided the password "raihan". The root prompt is now "root@raihan-VirtualBox:/home/raihan#". The user has entered "unzip /etc/conf.zip". The terminal shows the output of the unzip command, listing the files being inflated:

```
root@raihan-VirtualBox: /home/raihan
raihan@raihan-VirtualBox:~$ sudo su
[sudo] password for raihan:
root@raihan-VirtualBox:/home/raihan# unzip /etc/conf.zip
Archive:  /etc/conf.zip
  inflating: adduser.conf
  inflating: apg.conf
  inflating: blkid.conf
  inflating: brltty.conf
  inflating: ca-certificates.conf
  inflating: colord.conf
  inflating: debconf.conf
  inflating: deluser.conf
  inflating: fuse.conf
  inflating: gai.conf
  inflating: hdparm.conf
  inflating: host.conf
  inflating: insserv.conf
  inflating: kernel-img.conf
  inflating: kerneloops.conf
  inflating: ld.so.conf
  inflating: libaudit.conf
  inflating: logrotate.conf
  inflating: ltrace.conf
  inflating: mke2fs.conf
```

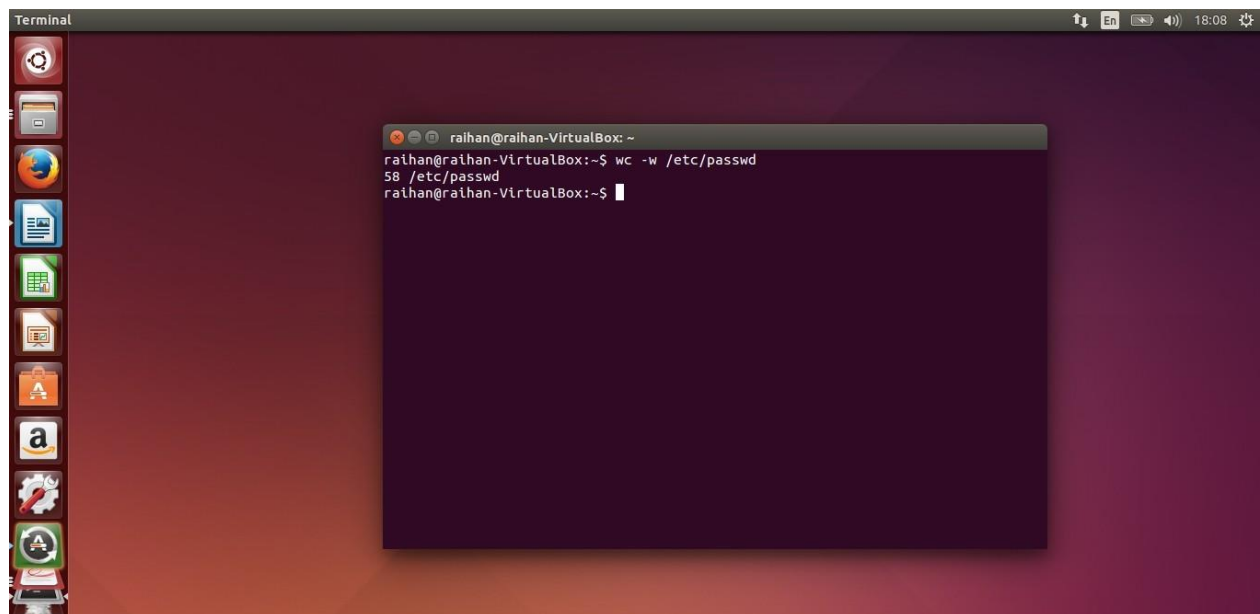
## Modul 8

### 1. Menampilkan bagian akhir file /etc/passwd:



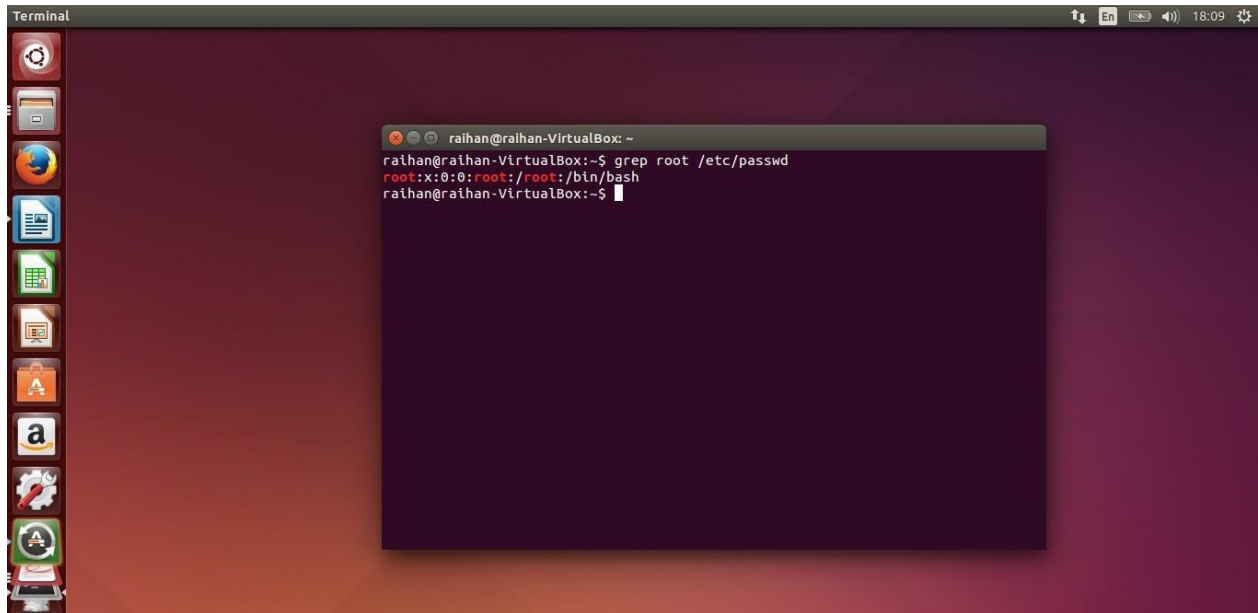
```
Terminal
raihan@raihan-VirtualBox: ~
raihan@raihan-VirtualBox:~$ tail /etc/passwd
saned:x:108:115::/home/saned:/bin/false
whoopsie:x:109:116::/nonexistent:/bin/false
speech-dispatcher:x:110:29:Speech Dispatcher,,,:/var/run/speech-dispatcher:/bin/sh
avahi:x:111:117:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/bin/false
lightdm:x:112:118:Light Display Manager:/var/lib/lightdm:/bin/false
colord:x:113:121:colord colour management daemon,,,:/var/lib/colord:/bin/false
hplip:x:114:7:HPLIP system user,,,:/var/run/hplip:/bin/false
pulse:x:115:122:PulseAudio daemon,,,:/var/run/pulse:/bin/false
raihan:x:1000:1000:Raihan,,,:/home/raihan:/bin/bash
fikri:x:1001:1001::/home/fikri:
raihan@raihan-VirtualBox:~$
```

## 2. Perintah menghitung kata file /etc/passwd:



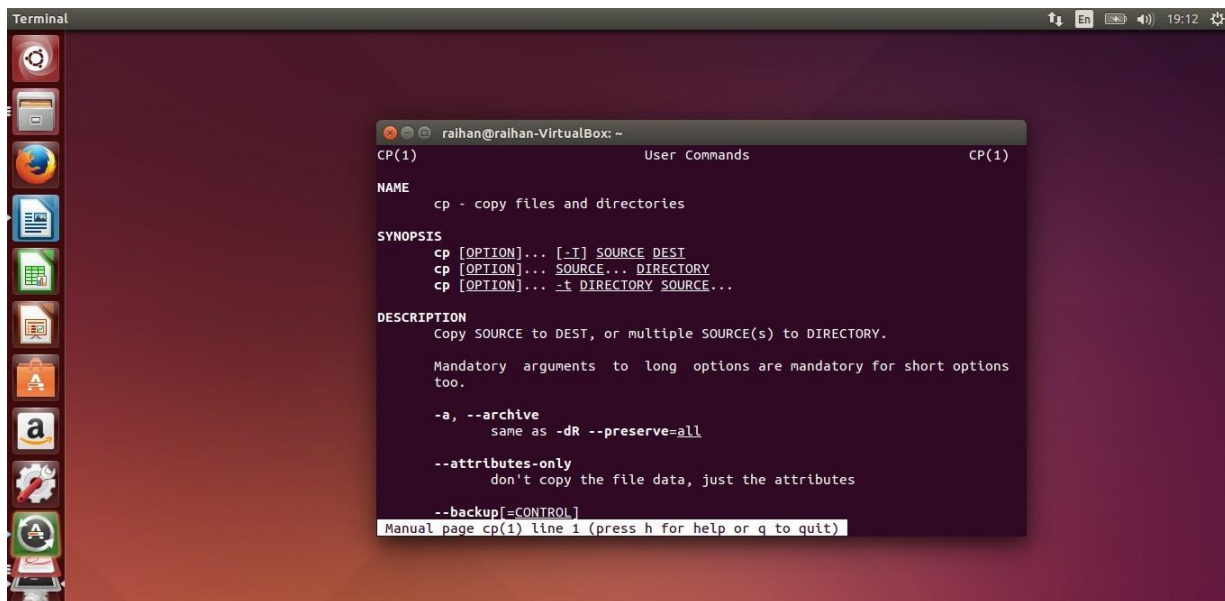
```
Terminal
raihan@raihan-VirtualBox: ~
raihan@raihan-VirtualBox:~$ wc -w /etc/passwd
58 /etc/passwd
raihan@raihan-VirtualBox:~$
```

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

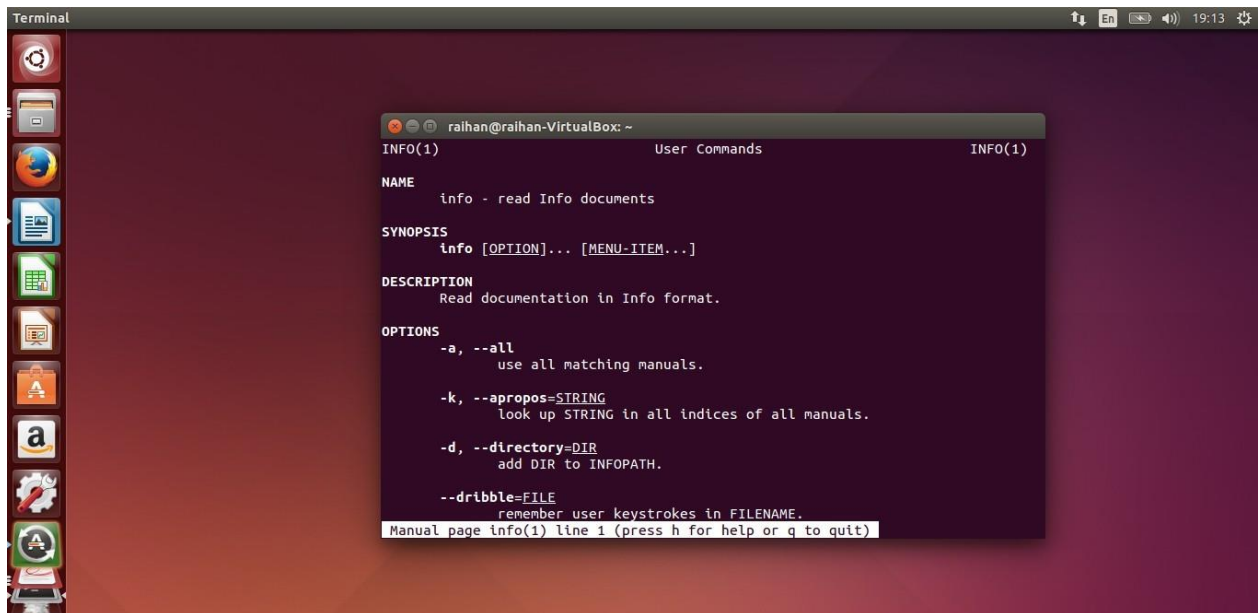


## Modul 9

### 1. Tampilkan halaman manual dari perintah cp:



## 2. Tampilkan halaman info dari perintah date:



The screenshot shows a terminal window titled "Terminal" with a dark purple background. A smaller window titled "raihan@raihan-VirtualBox: ~" is open, displaying the output of the 'info' command. The output is formatted as follows:

```
INFO(1)                                User Commands                                INFO(1)

NAME
  info - read Info documents

SYNOPSIS
  info [OPTION]... [MENU-ITEM...]

DESCRIPTION
  Read documentation in Info format.

OPTIONS
  -a, --all
      use all matching manuals.

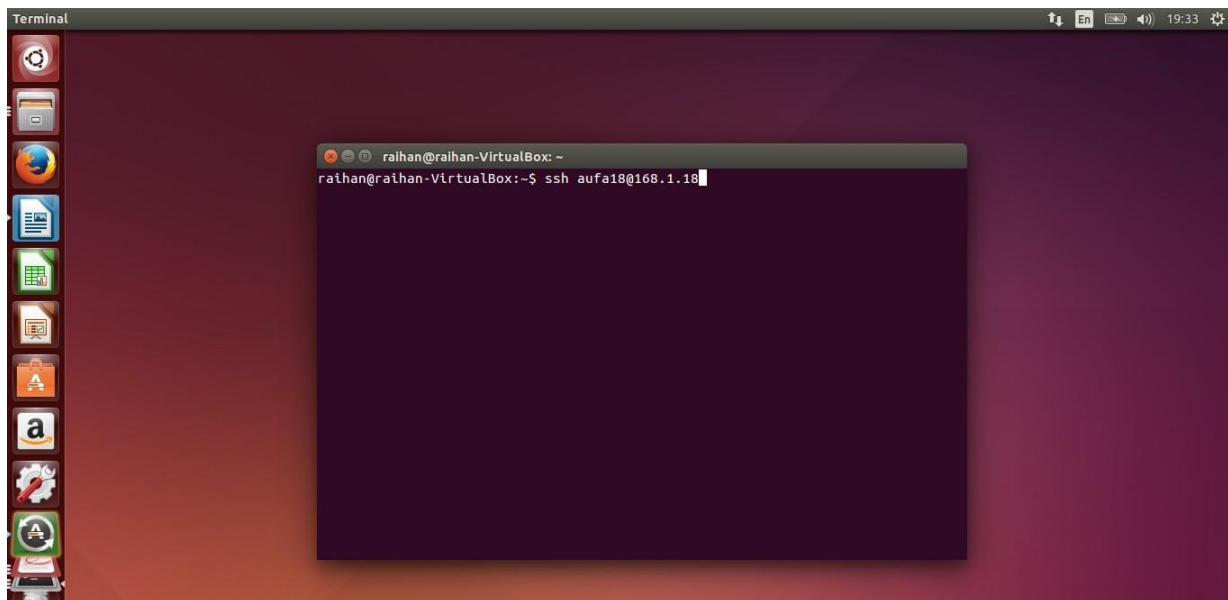
  -k, --apropos=STRING
      look up STRING in all indices of all manuals.

  -d, --directory=DIR
      add DIR to INFOPATH.

  --dribble=FILE
      remember user keystrokes in FILENAME.
Manual page info(1) line 1 (press h for help or q to quit)
```

## Modul 10

### 1. Jalankan Perintah meremote komputer aufa:



The screenshot shows a terminal window titled "Terminal" with a dark purple background. A smaller window titled "raihan@raihan-VirtualBox: ~" is open, displaying the command 'ssh aufa18@168.1.18' entered at the prompt. The cursor is at the end of the command, ready for execution.

## 2. Jalankan Perintah mengcopy file latihan ke komputer aufa:

