

Challenge POSA TI-2



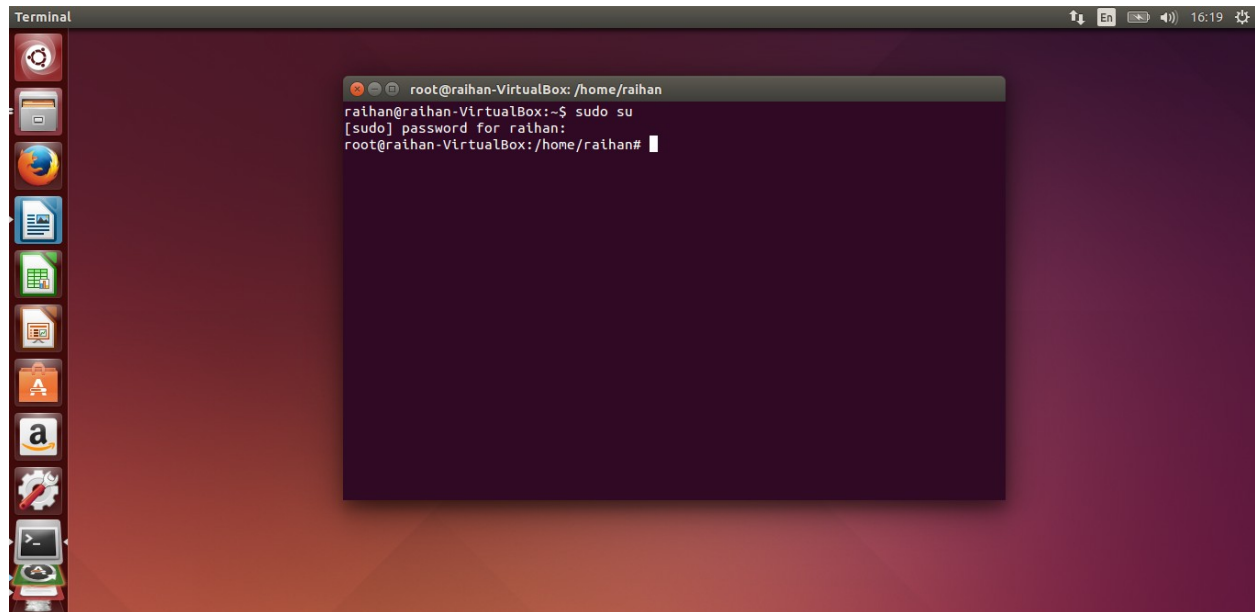
Nama : Raihan Sa'id

Prodi : TI02

NIM : 0110218056

Modul 1

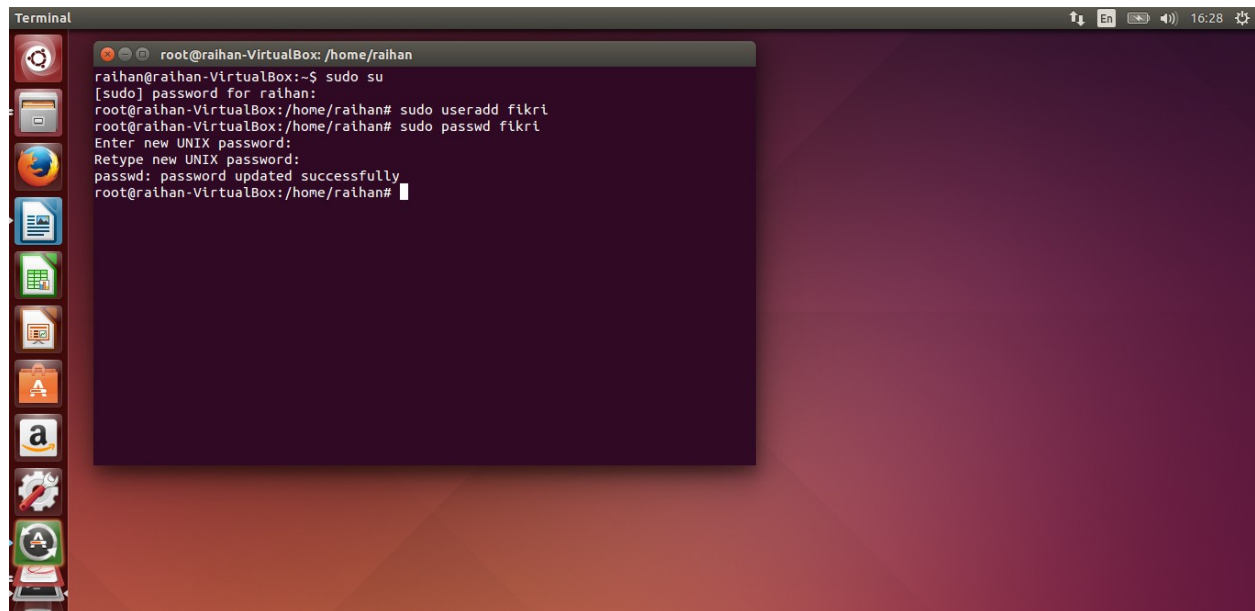
1. Perintah berubah dari user biasa menjadi user root:



A terminal window titled "Terminal" is shown on a desktop background. The window contains the following text:

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

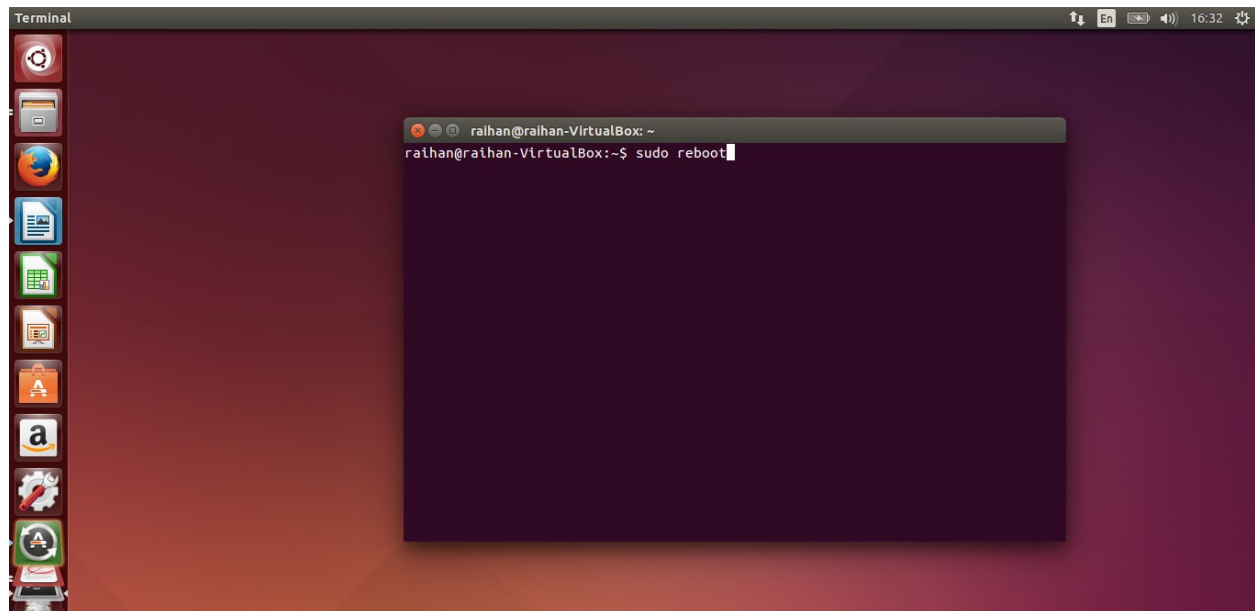
2. Perintah mengubah password user fikri:



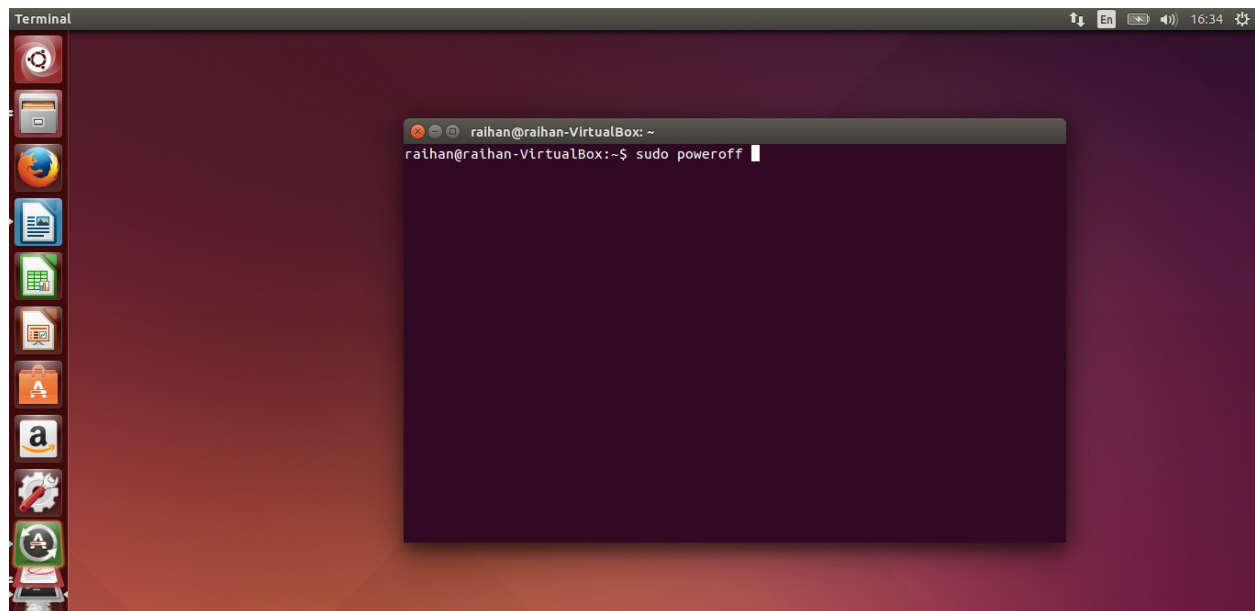
A terminal window titled "Terminal" is shown on a desktop background. The window contains the following text:

```
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:



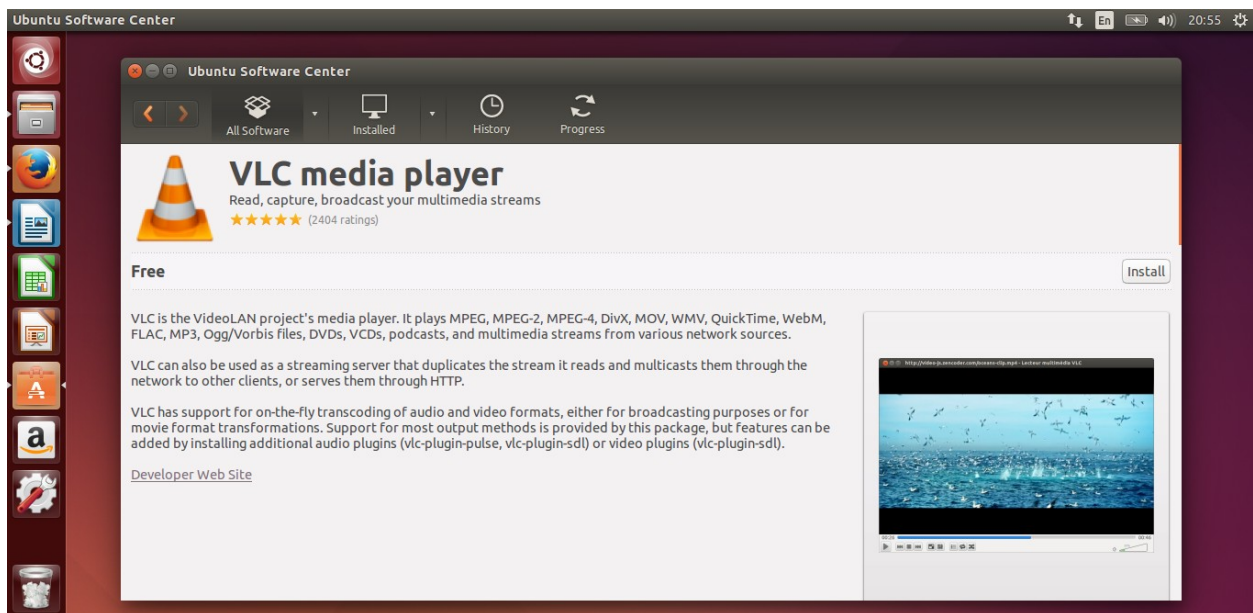
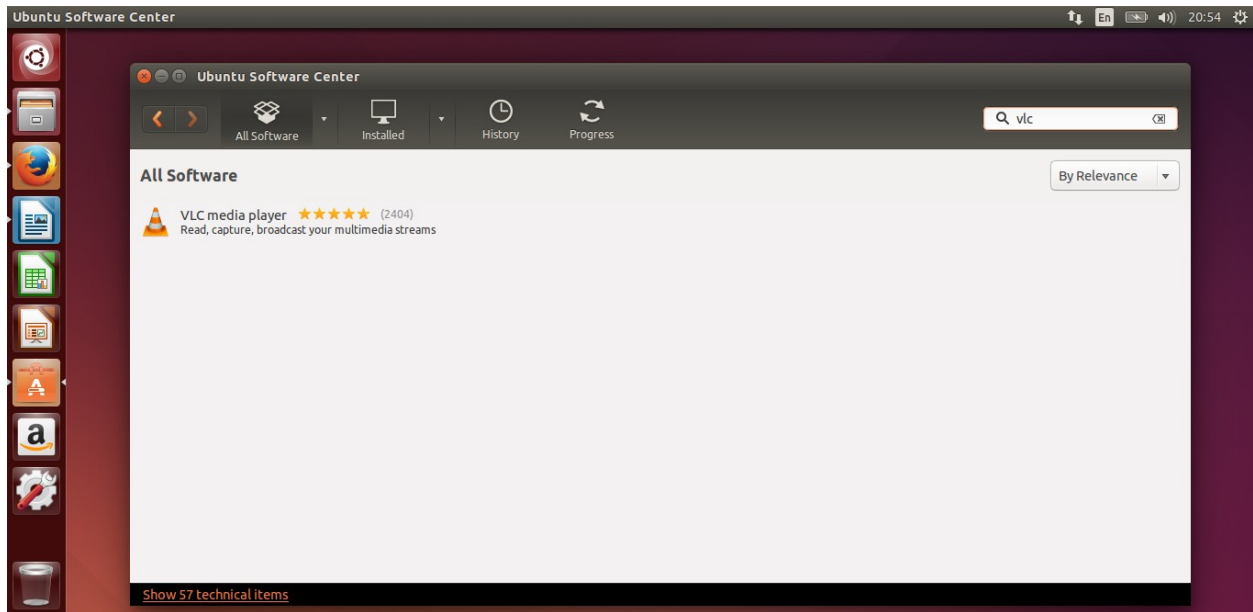
Modul 2

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

- Buka Ubuntu Software Center

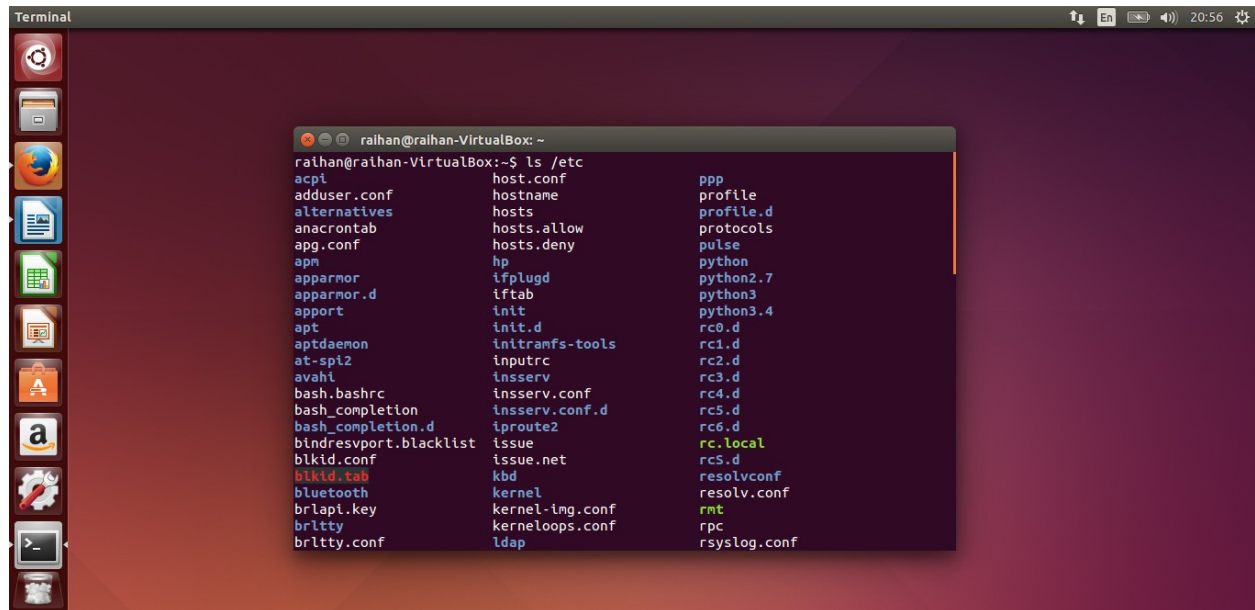
- Ketik di Pencarian

- Dan Klik Install



Modul 4

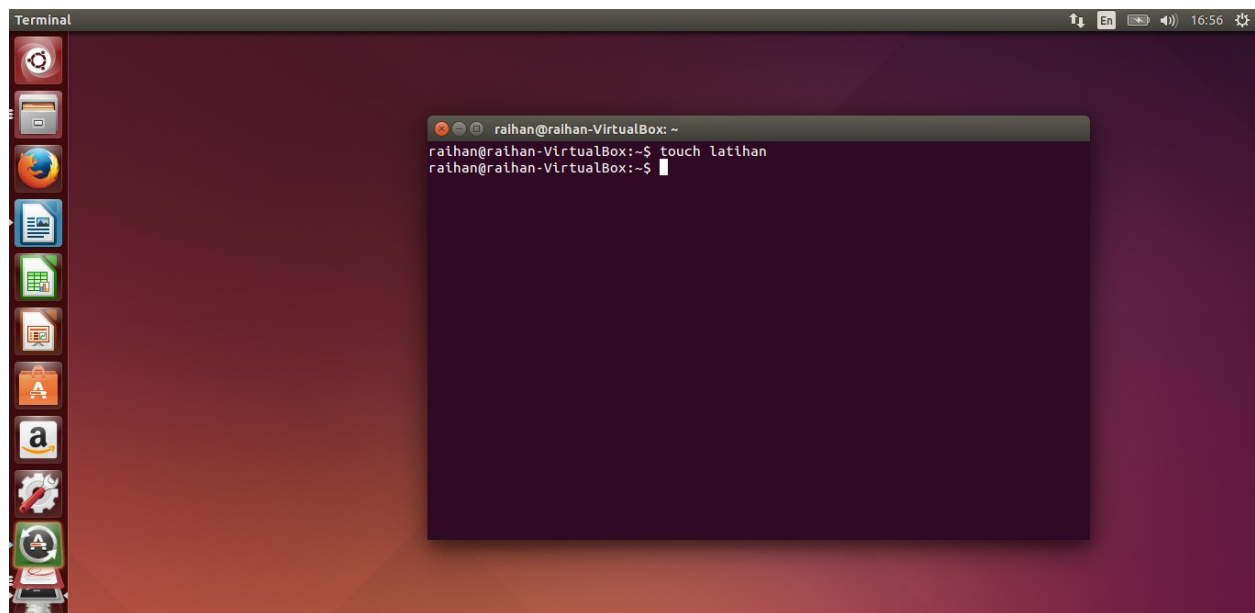
1. Perintah melihat isi direktori /etc:



A terminal window titled "Terminal" with a dark purple background. The window shows the command `ls /etc` and its output, which is a list of files and directories in the `/etc` directory. The output is displayed in three columns. The files and directories listed are: `acpi`, `adduser.conf`, `alternatives`, `anacrontab`, `app.conf`, `apm`, `apparmor`, `apparmor.d`, `appport`, `apt`, `aptdaemon`, `at-spi2`, `avahi`, `bash.bashrc`, `bash_completion`, `bash_completion.d`, `bindresvport.blacklist`, `blkid.conf`, `blkid.tab`, `bluetooth`, `brlapi.key`, `brltty`, `brltty.conf`, `host.conf`, `hostname`, `hosts`, `hosts.allow`, `hosts.deny`, `hp`, `ifplugd`, `iftab`, `init`, `init.d`, `initramfs-tools`, `inputrc`, `insserv`, `insserv.conf`, `insserv.conf.d`, `iproute2`, `issue`, `issue.net`, `kbd`, `kernel`, `kernel-img.conf`, `kerneloops.conf`, `ldap`, `ppp`, `profile`, `profile.d`, `protocols`, `pulse`, `python`, `python2.7`, `python3`, `python3.4`, `rc0.d`, `rc1.d`, `rc2.d`, `rc3.d`, `rc4.d`, `rc5.d`, `rc6.d`, `rc.local`, `rc5.d`, `resolvconf`, `resolv.conf`, `rmt`, `rpc`, and `rsyslog.conf`.

```
raihan@raihan-VirtualBox: ~  
raihan@raihan-VirtualBox:~$ ls /etc  
acpi                               host.conf                         ppp  
adduser.conf                      hostname                         profile  
alternatives                     hosts                            profile.d  
anacrontab                       hosts.allow                     protocols  
app.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                           insserv                        rc3.d  
bash.bashrc                     insserv.conf                  rc4.d  
bash_completion                 insserv.conf.d                rc5.d  
bash_completion.d               iproute2                       rc6.d  
bindresvport.blacklist           issue                          rc.local  
blkid.conf                      issue.net                      rc5.d  
blkid.tab                       kbd                            resolvconf  
bluetooth                       kernel                         resolv.conf  
brlapi.key                      kernel-img.conf                rmt  
brltty                          kerneloops.conf                rpc  
brltty.conf                     ldap                           rsyslog.conf
```

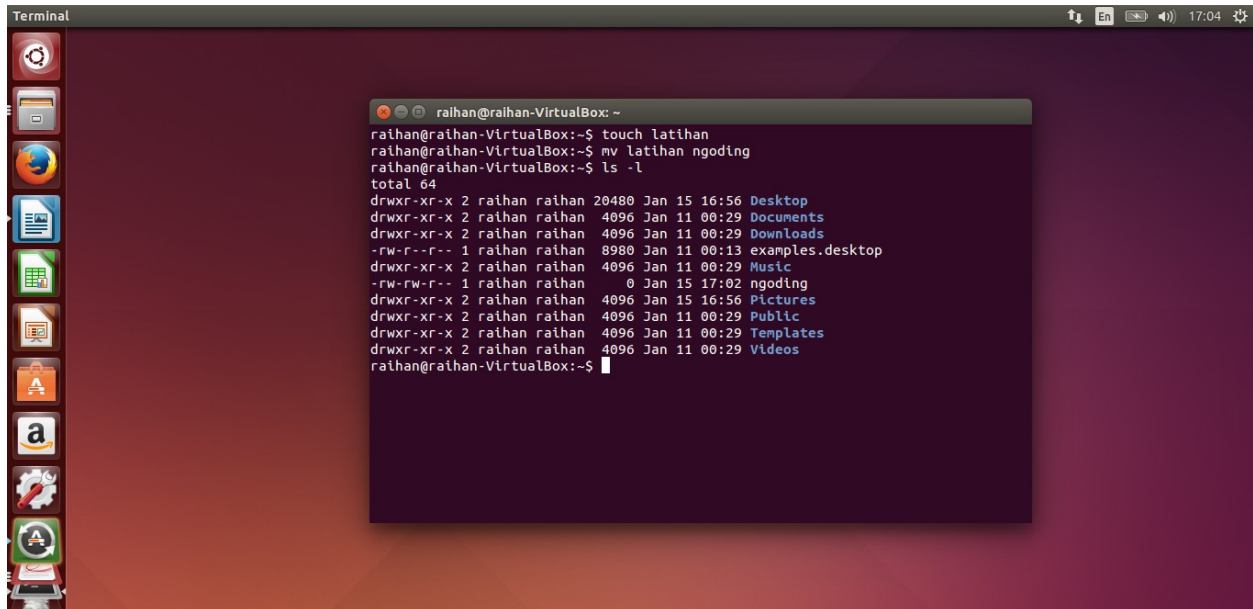
2. Perintah membuat file bernama latihan:



A terminal window titled "Terminal" with a dark purple background. The window shows the command `touch latihan` being executed. The output shows the command prompt `raihan@raihan-VirtualBox:~$` followed by the command `touch latihan` and a new prompt `raihan@raihan-VirtualBox:~$` with a cursor.

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

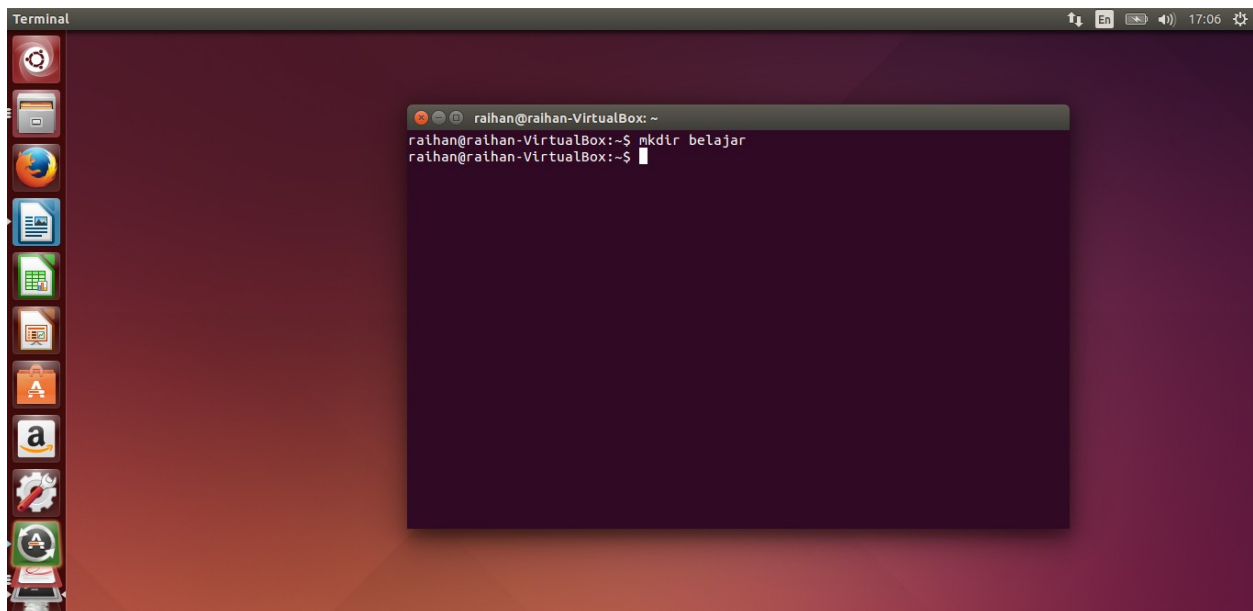
3. Perintah mengubah nama file latihan menjadi ngoding:

A terminal window titled "Terminal" is open on a Linux desktop. The window shows a series of commands and their outputs. The user first creates a file named "latihan" using the "touch" command. Then, they rename "latihan" to "ngoding" using the "mv" command. Finally, they use the "ls -l" command to list the files in the current directory. The output shows a directory listing with permissions, owner, group, size, date, and filename. The file "ngoding" is listed with permissions "-rw-r--r--", owner "raihan", group "raihan", size "0", and date "Jan 15 17:02".

```
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:~$
```

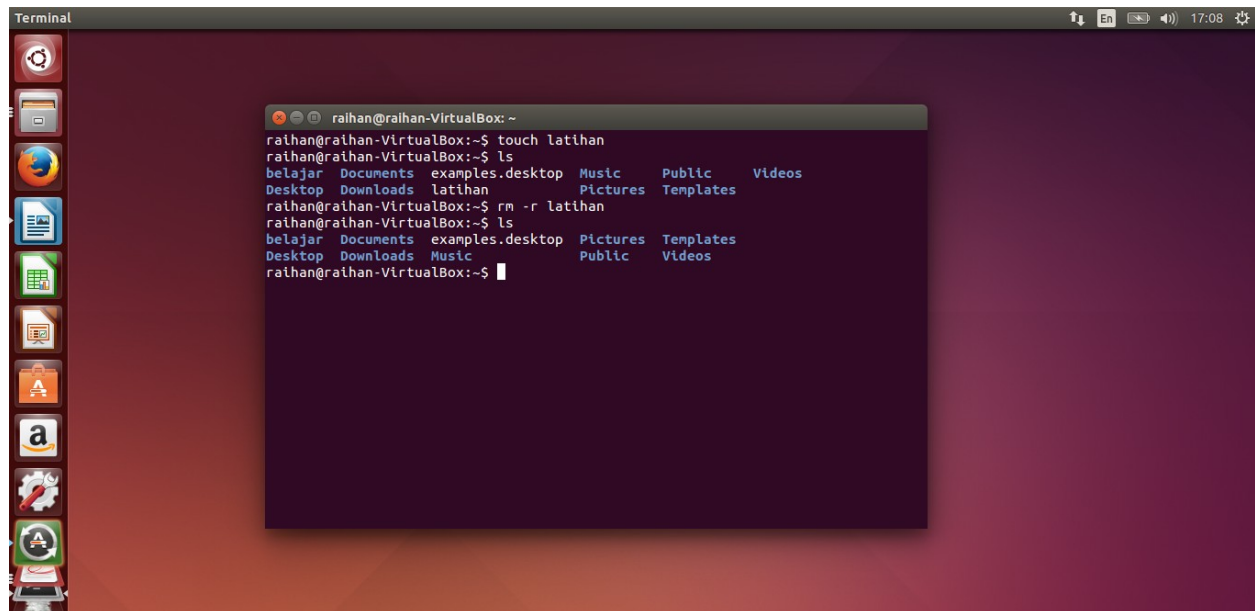
Modul 5

1. Membuat direktori bernama belajar:

A terminal window titled "Terminal" is open on a Linux desktop. The window shows a single command being executed: "mkdir belajar". The command is entered at the prompt "raihan@raihan-VirtualBox:~\$". The output is not visible, but the command is shown being executed.

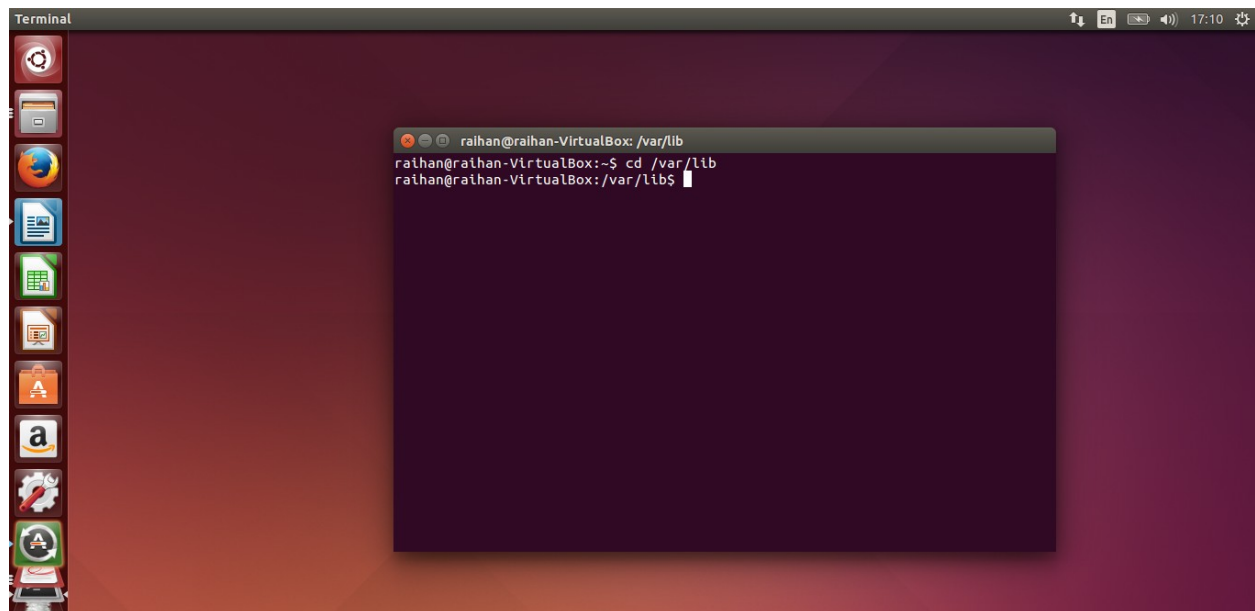
```
raihan@raihan-VirtualBox: ~  
raihan@raihan-VirtualBox:~$ mkdir belajar  
raihan@raihan-VirtualBox:~$
```

2. Perintah menghapus file bernama latihan:

A terminal window titled "Terminal" is shown on a desktop environment. The window contains a series of commands and their outputs. The user first creates a file named "latihan" using the "touch" command. Then, they run "ls" to list the files in the current directory, which shows "latihan" among other files. Finally, they run "rm -r latihan" to delete the file, and a subsequent "ls" command confirms its removal.

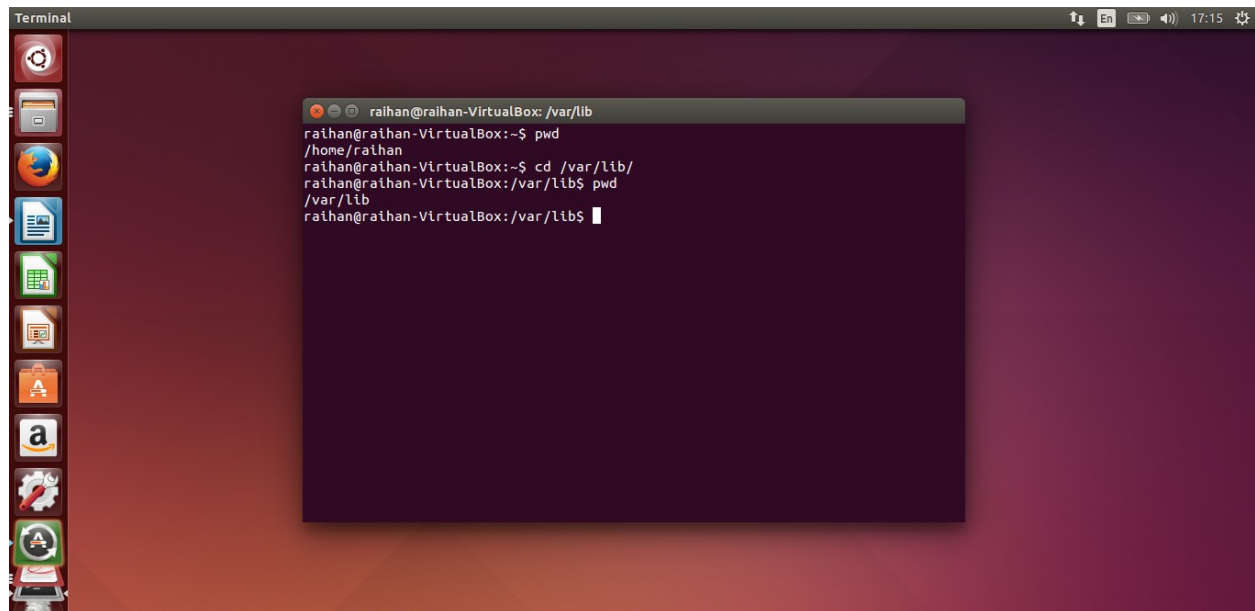
```
Terminal
raihan@raihan-VirtualBox: ~
raihan@raihan-VirtualBox:~$ touch latihan
raihan@raihan-VirtualBox:~$ ls
belajar  Documents  examples.desktop  Music  Public  Videos
Desktop  Downloads  latihan           Pictures  Templates
raihan@raihan-VirtualBox:~$ rm -r latihan
raihan@raihan-VirtualBox:~$ ls
belajar  Documents  examples.desktop  Pictures  Templates
Desktop  Downloads  Music            Public    Videos
raihan@raihan-VirtualBox:~$
```

3. Perintah pindah ke direktori /var/lib:

A terminal window titled "Terminal" is shown on a desktop environment. The user runs the "cd /var/lib" command to change the current directory to "/var/lib". The prompt changes from "~" to "/var/lib", indicating the successful execution of the command.

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

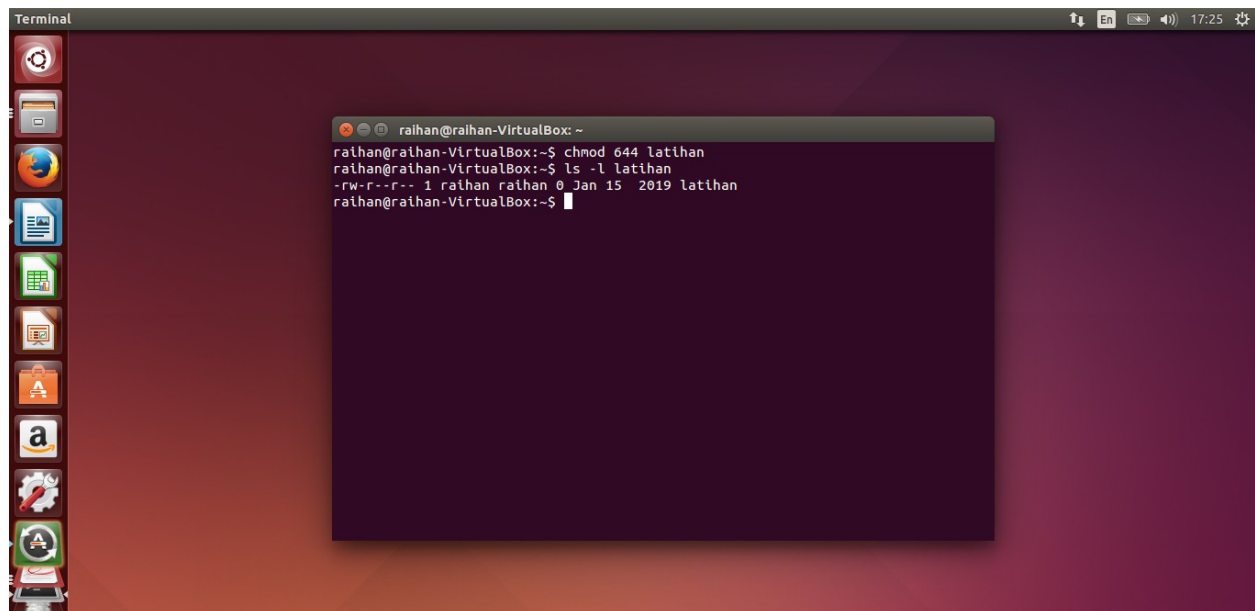

4. Cek posisi direktori sekarang:

A terminal window titled 'Terminal' is open on a desktop environment. The window shows a series of commands and their outputs. The user starts in the root directory, then navigates to /home/raihan, then to /var/lib, and finally back to /var/lib. The prompt changes from root to raihan@raihan-VirtualBox as the user navigates through the file system.

```
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$
```

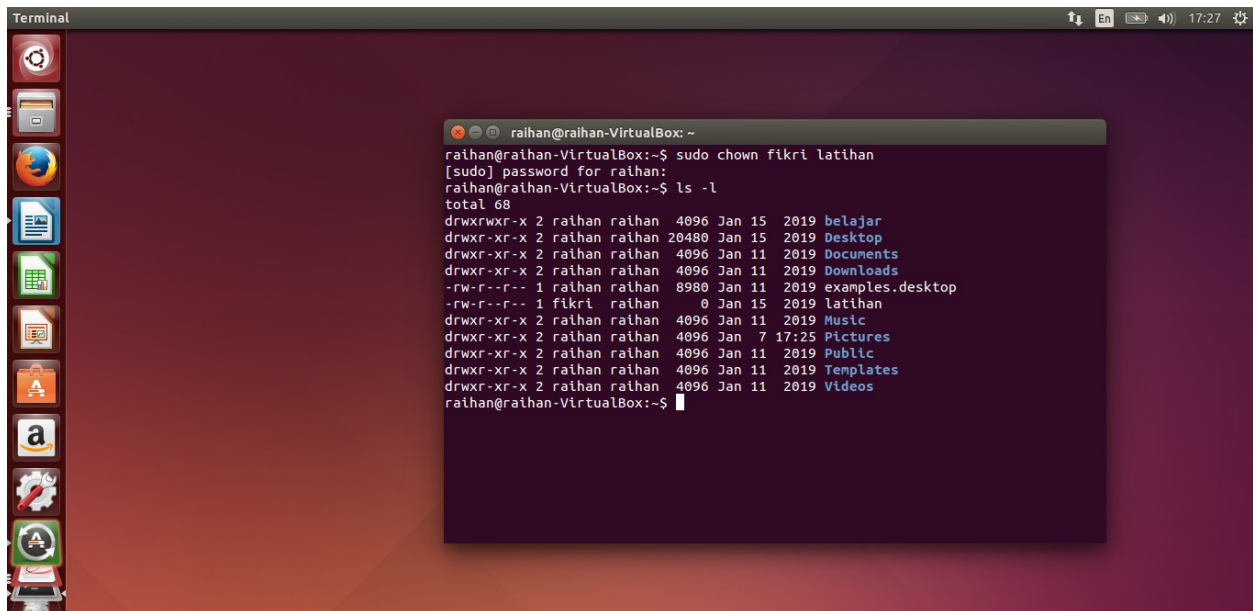
Modul 6

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

A terminal window titled 'Terminal' is open on a desktop environment. The window shows a series of commands and their outputs. The user runs 'chmod 644 latihan' to change the permissions of the file 'latihan'. Then, they run 'ls -l latihan' to verify the permissions, which are shown as '-rw-r--r--'.

```
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 rikki.

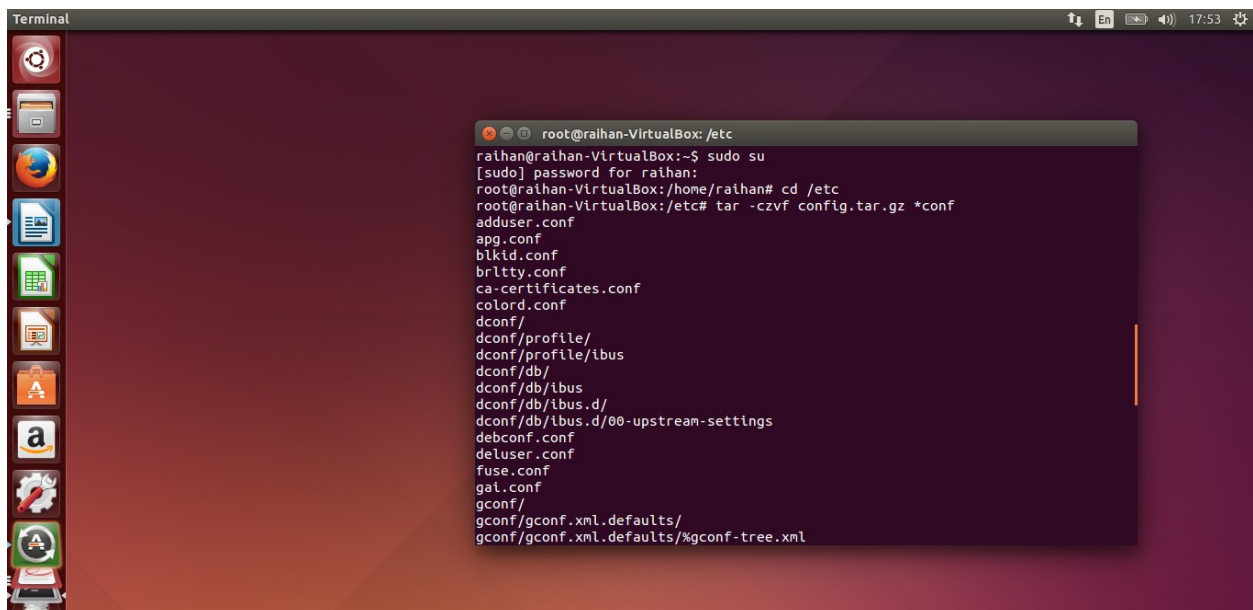


A terminal window titled 'Terminal' with a dark background and a sidebar of application icons on the left. The terminal shows the following commands and output:

```
raihan@raihan-VirtualBox: ~  
raihan@raihan-VirtualBox:~$ sudo chown rikki 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 8988 Jan 11 2019 examples.desktop  
-rw-r--r-- 1 rikki 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

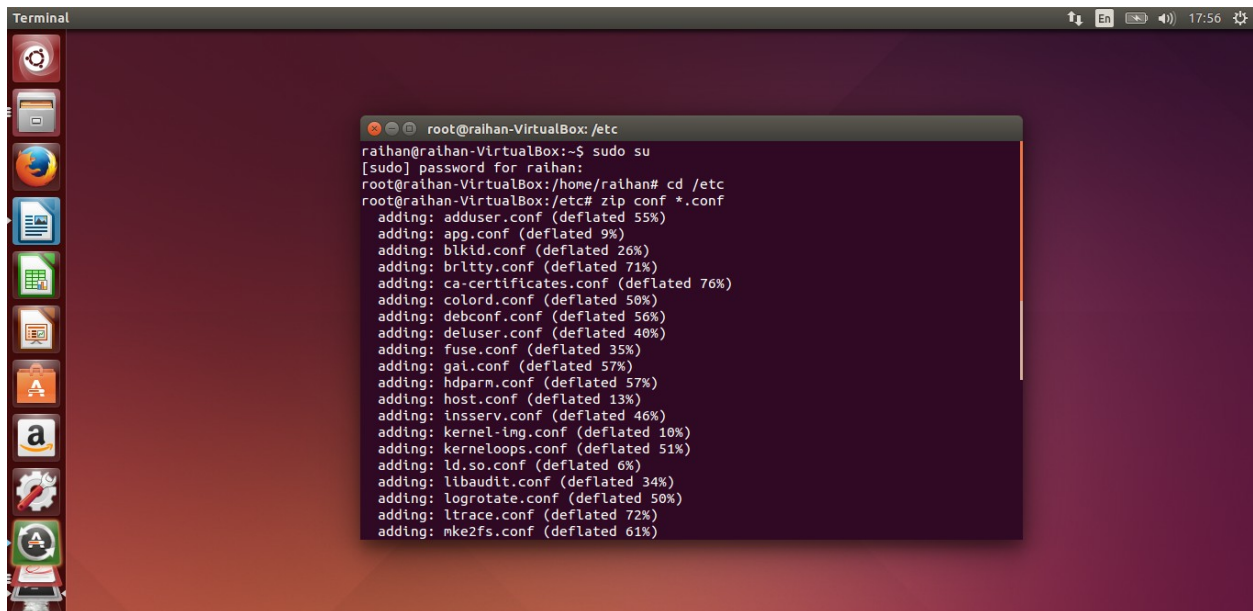
1. Perintah mengarsip dan meng-kompresi seluruh file .conf di /etc/ dengan tar dan gzip secara bersamaan:



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

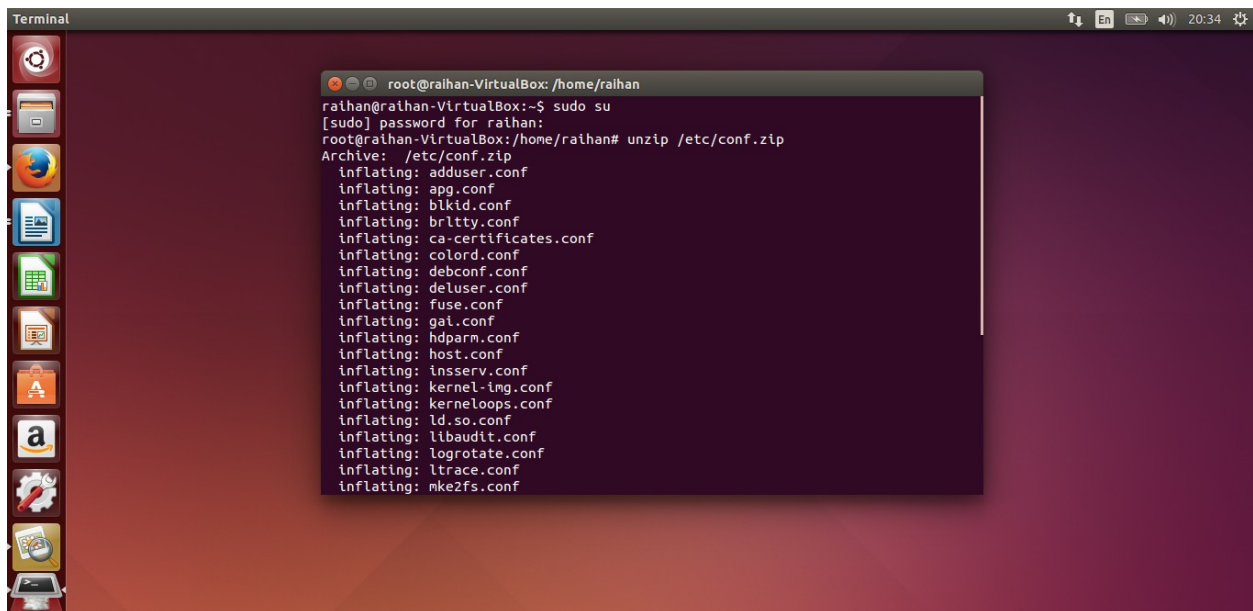
```
root@raihan-VirtualBox: /etc  
raihan@raihan-VirtualBox:~$ sudo su  
[sudo] password for raihan:  
root@raihan-VirtualBox:/home/raihan# cd /etc  
root@raihan-VirtualBox:/etc# tar -czvf config.tar.gz *conf  
adduser.conf  
apg.conf  
blkid.conf  
brltty.conf  
ca-certificates.conf  
colord.conf  
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  
gai.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:



```
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: gai.conf (deflated 57%)
adding: hdparm.conf (deflated 57%)
adding: host.conf (deflated 13%)
adding: insserv.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%)
```

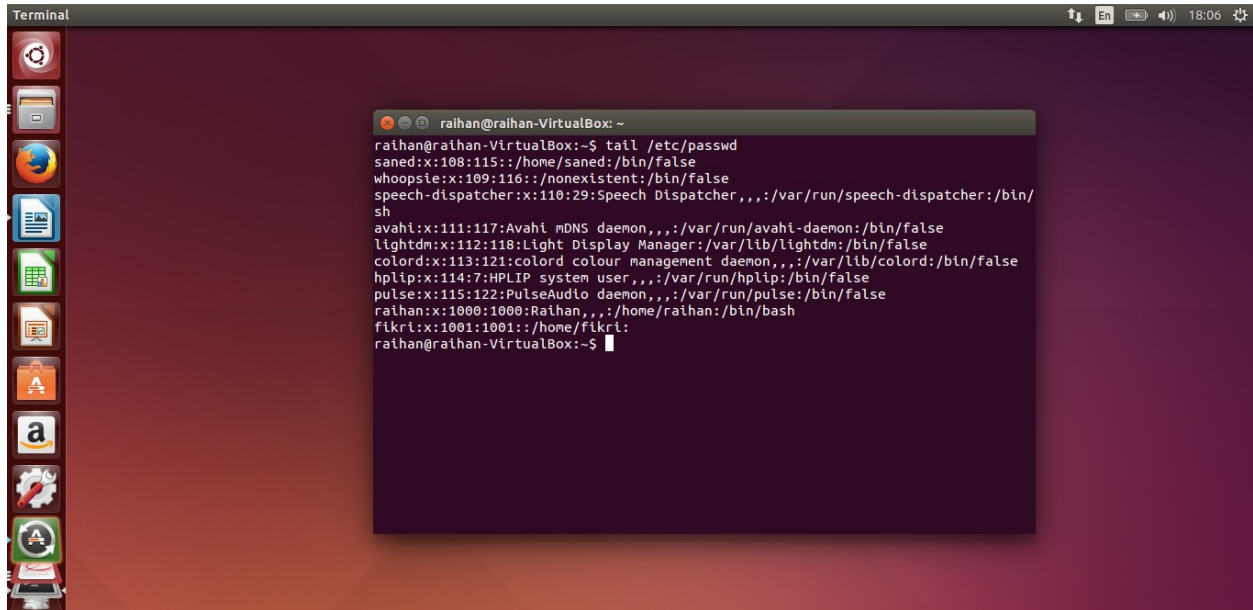
3. Perintah mengekstrak file zip yang sudah dikompresi di atas:



```
Terminal
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

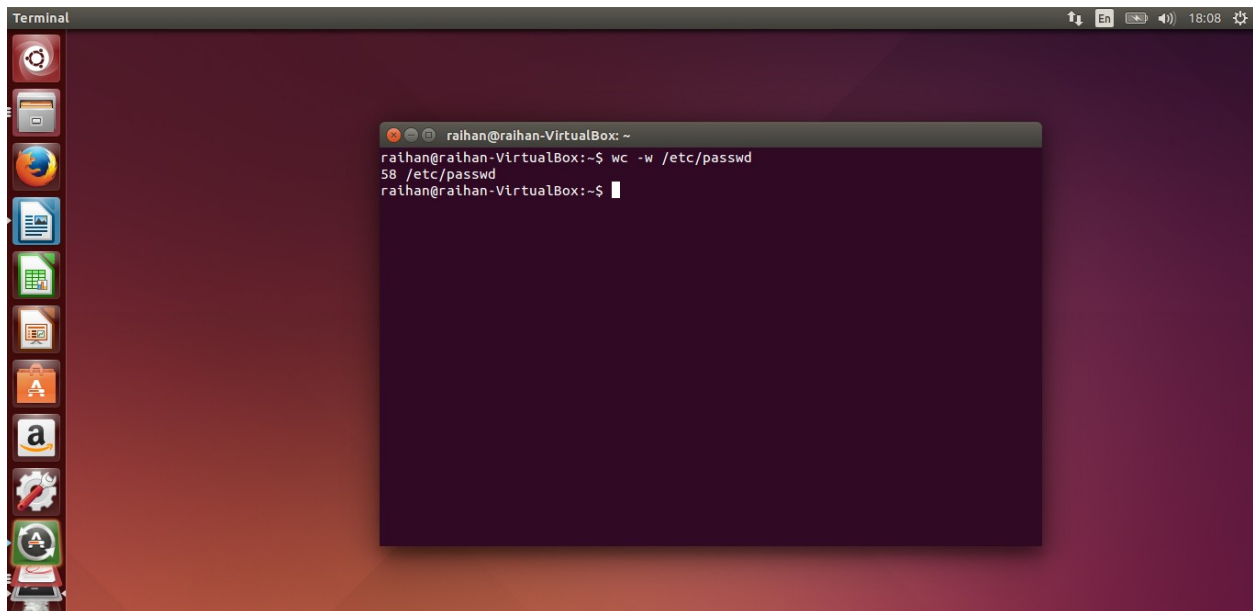
1. Menampilkan bagian akhir file /etc/passwd:



A terminal window titled "Terminal" is shown. The prompt is "raihan@raihan-VirtualBox: ~". The command "tail /etc/passwd" has been executed, displaying the last few lines of the /etc/passwd file. The output shows system users like saned, whoopie, speech-dispatcher, avahi, lightdm, colord, hplip, pulse, and regular users raihan and fikri.

```
raihan@raihan-VirtualBox:~$ tail /etc/passwd
saned:x:108:115::/home/saned:/bin/false
whoopie: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:~$
```

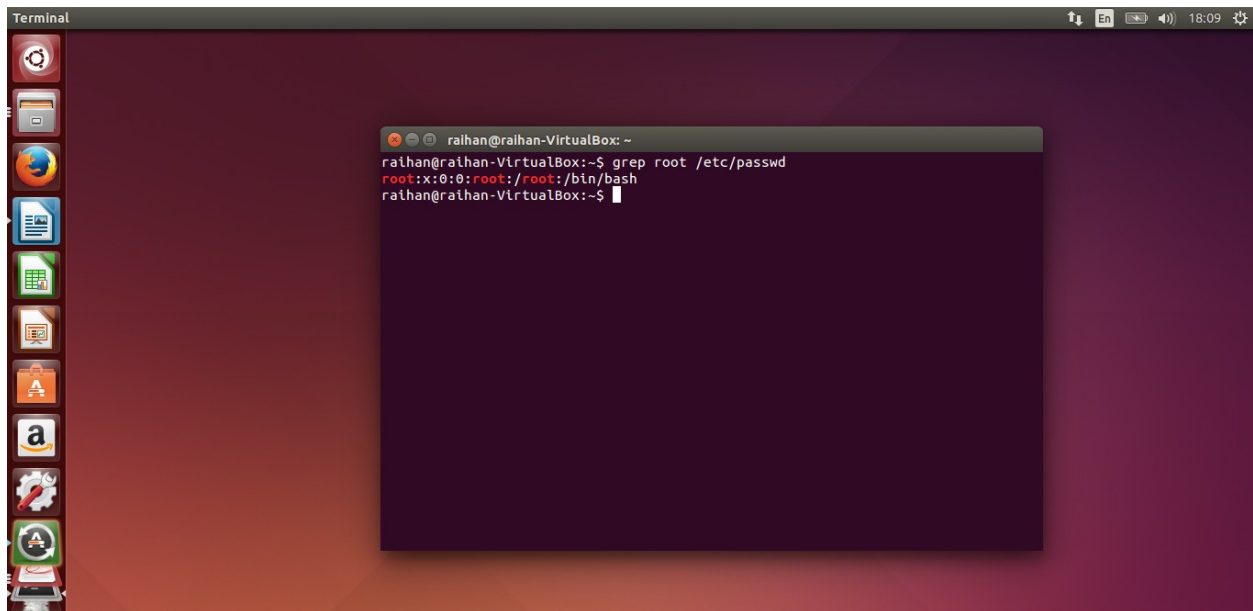
2. Perintah menghitung kata file /etc/passwd:



A terminal window titled "Terminal" is shown. The prompt is "raihan@raihan-VirtualBox: ~". The command "wc -w /etc/passwd" has been executed, displaying the word count of the /etc/passwd file. The output shows 58 words.

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

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

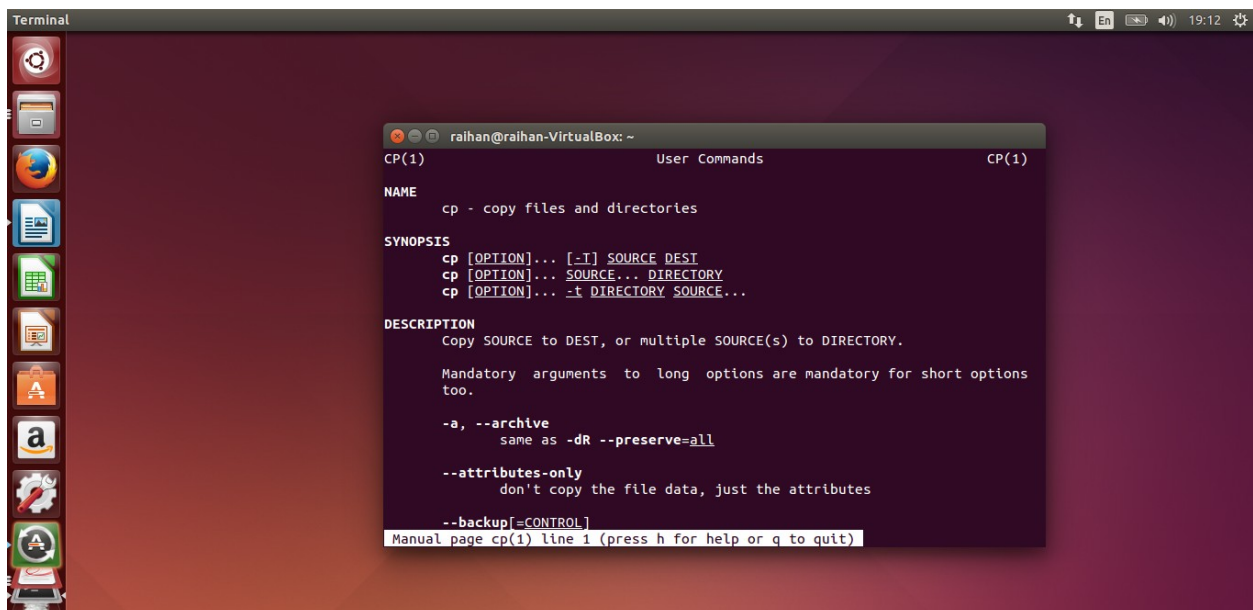


A terminal window titled "Terminal" with a dark purple background. On the left is a vertical dock with icons for a settings gear, a folder, a web browser, a document, a spreadsheet, a presentation, a shopping bag, and an Amazon logo. The terminal shows the following text:

```
raihan@raihan-VirtualBox: ~  
raihan@raihan-VirtualBox:~$ grep root /etc/passwd  
root:x:0:0:root:/root:/bin/bash  
raihan@raihan-VirtualBox:~$
```

Modul 9

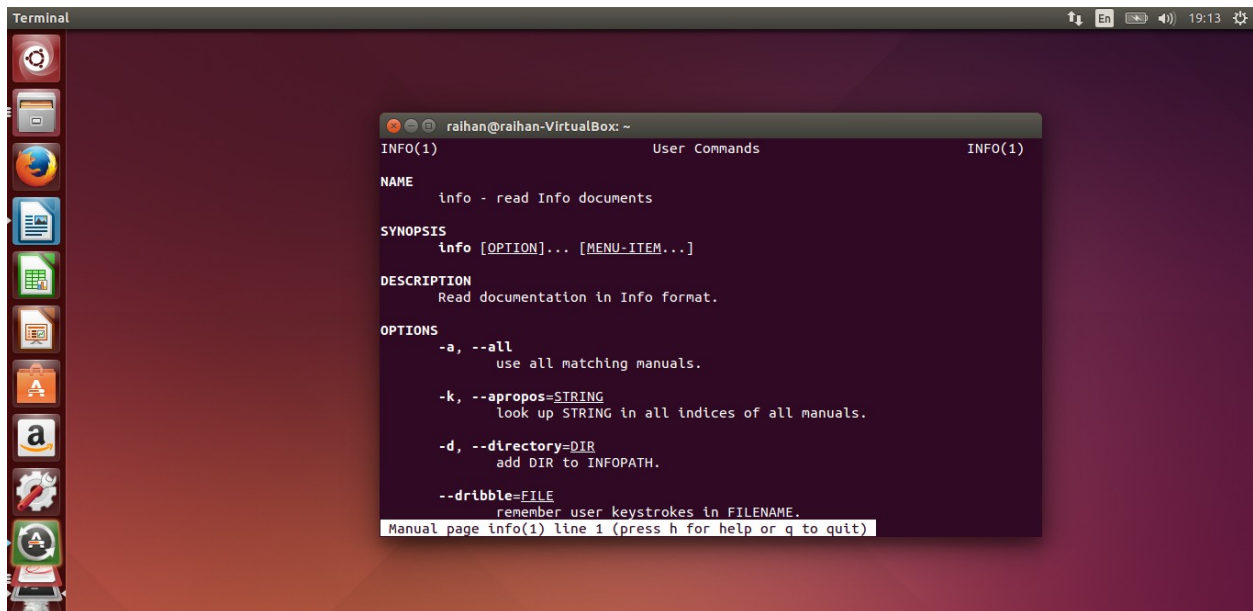
1. Tampilkan halaman manual dari perintah cp:



A terminal window titled "Terminal" with a dark purple background. On the left is a vertical dock with icons for a settings gear, a folder, a web browser, a document, a spreadsheet, a presentation, a shopping bag, and an Amazon logo. The terminal shows the following text:

```
raihan@raihan-VirtualBox: ~  
CP(1)                                User Commands                                CP(1)  
  
NAME  
    cp - copy files and directories  
  
SYNOPSIS  
    cp [OPTION]... [-I] 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]  
    Manual page cp(1) line 1 (press h for help or q to quit)
```

2. Tampilkan halaman info dari perintah date:



The screenshot shows a terminal window titled "Terminal" with a dark background. On the left side, there is a vertical dock with various application icons. The terminal window itself has a title bar that says "raihan@raihan-VirtualBox: ~". The main content of the terminal displays the output of the 'info' command, which shows the manual page for 'info(1)'. The output is formatted with sections: NAME, SYNOPSIS, DESCRIPTION, and OPTIONS. The NAME section shows 'info - read Info documents'. The SYNOPSIS section shows 'info [OPTION]... [MENU-ITEM...]'. The DESCRIPTION section shows 'Read documentation in Info format.'. The OPTIONS section lists several options: -a, --all; -k, --apropos=STRING; -d, --directory=DIR; and --dribble=FILE. At the bottom of the terminal window, there is a status bar that says "Manual page info(1) line 1 (press h for help or q to quit)".

```
raihan@raihan-VirtualBox: ~
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.

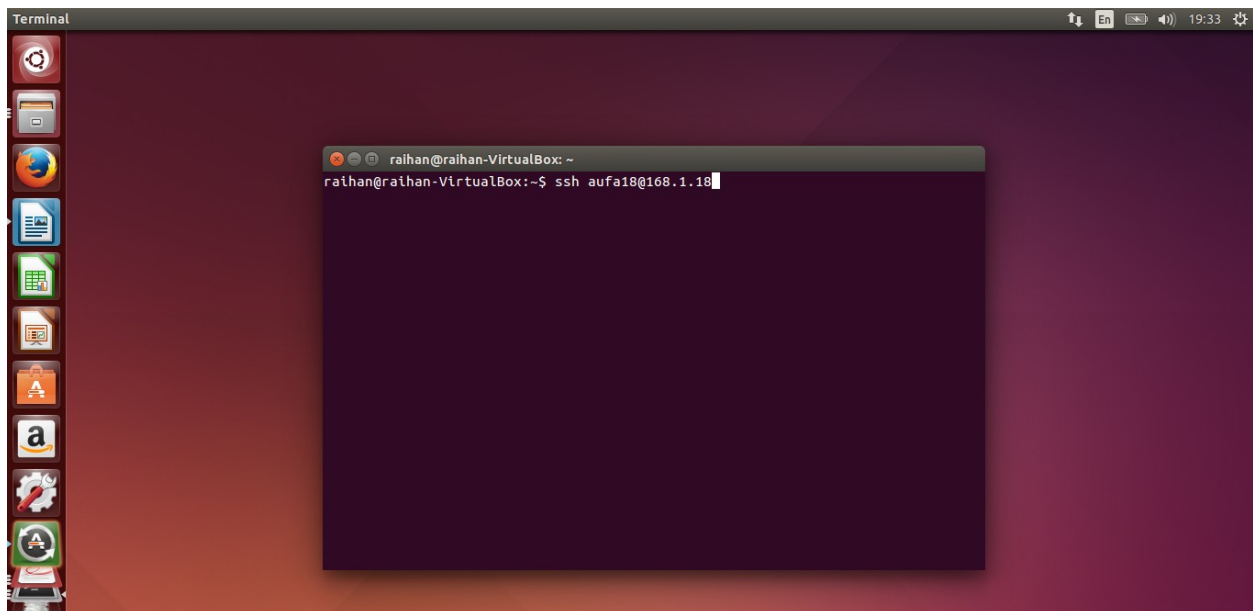
    -k, --apropos=STRING
        look up STRING in all indices of all manuals.

    -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 background. On the left side, there is a vertical dock with various application icons. The terminal window itself has a title bar that says "raihan@raihan-VirtualBox: ~". The main content of the terminal displays the command 'ssh aufa18@168.1.18' entered at the prompt 'raihan@raihan-VirtualBox:~\$'. The cursor is at the end of the command, ready for execution.

```
raihan@raihan-VirtualBox: ~
raihan@raihan-VirtualBox:~$ ssh aufa18@168.1.18
```

2. Jalankan Perintah mengcopy file latihan ke komputer afa:

