

# Challenge POSA TI-2



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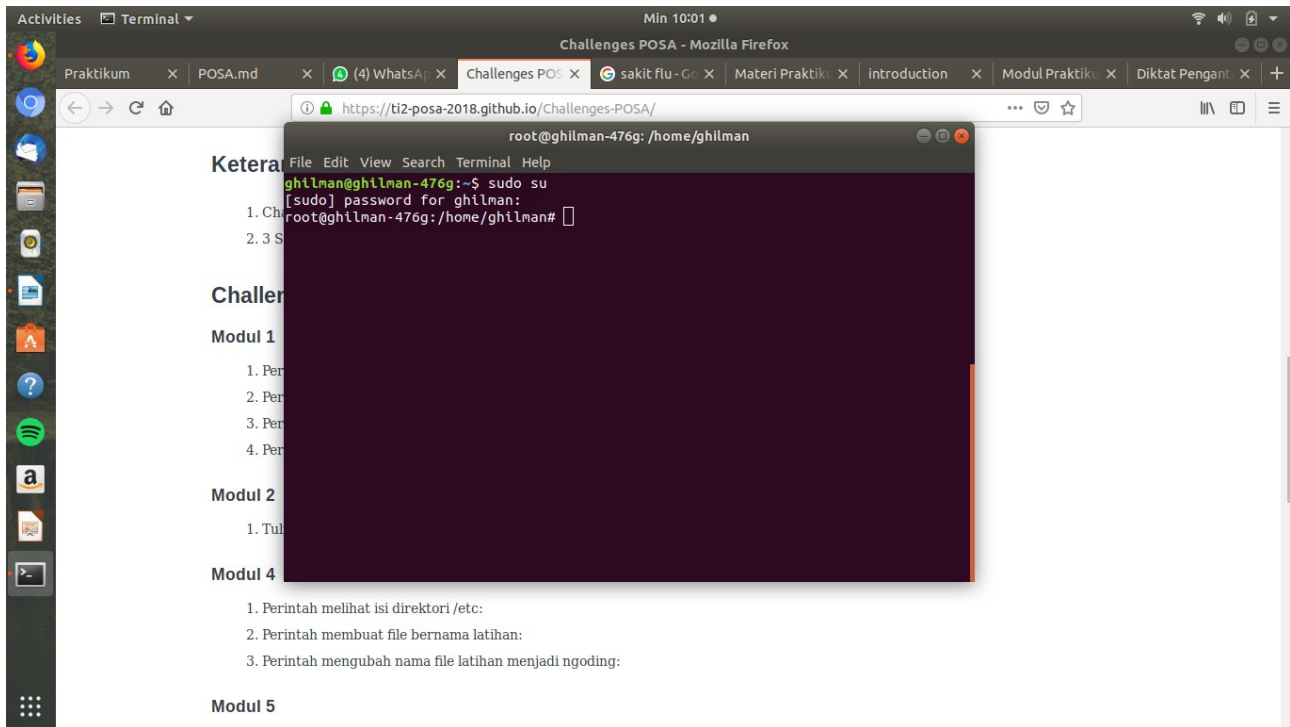
**Nama : Muhammad Ghilman Firdaus**

**NIM : 0110218053**

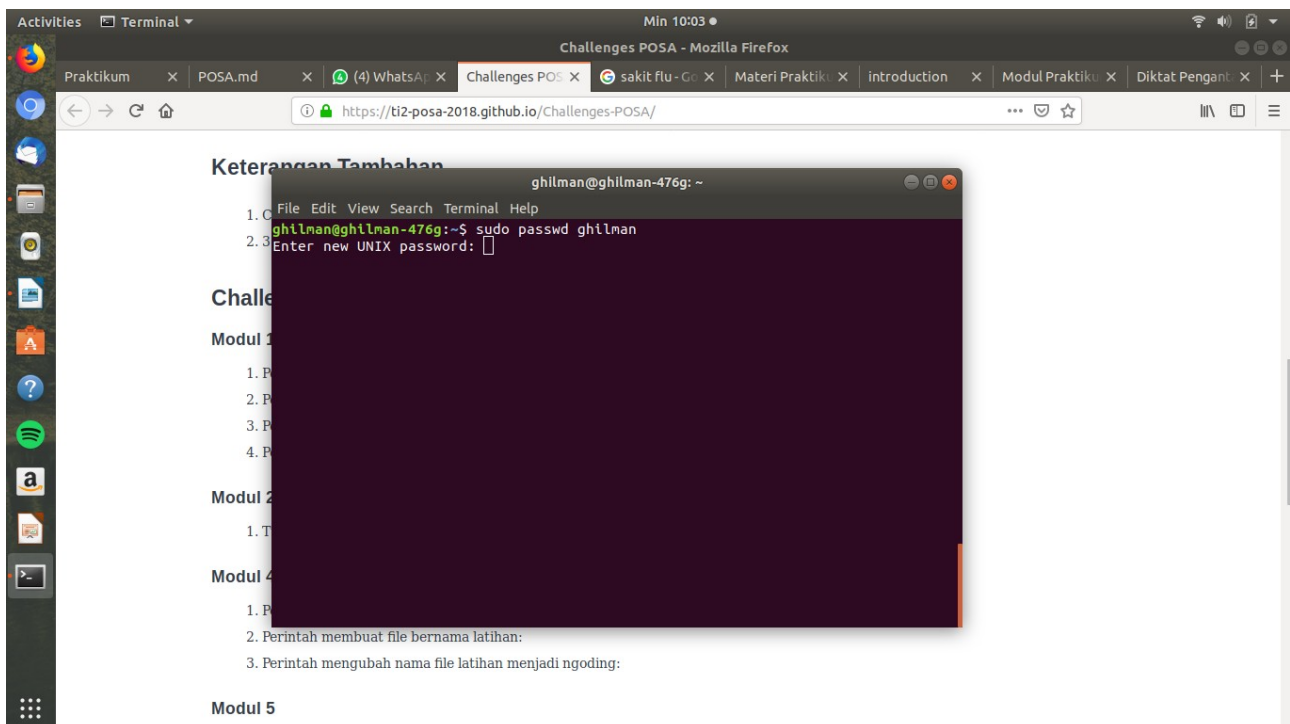
**kelas : TI-02**

# Modul 1

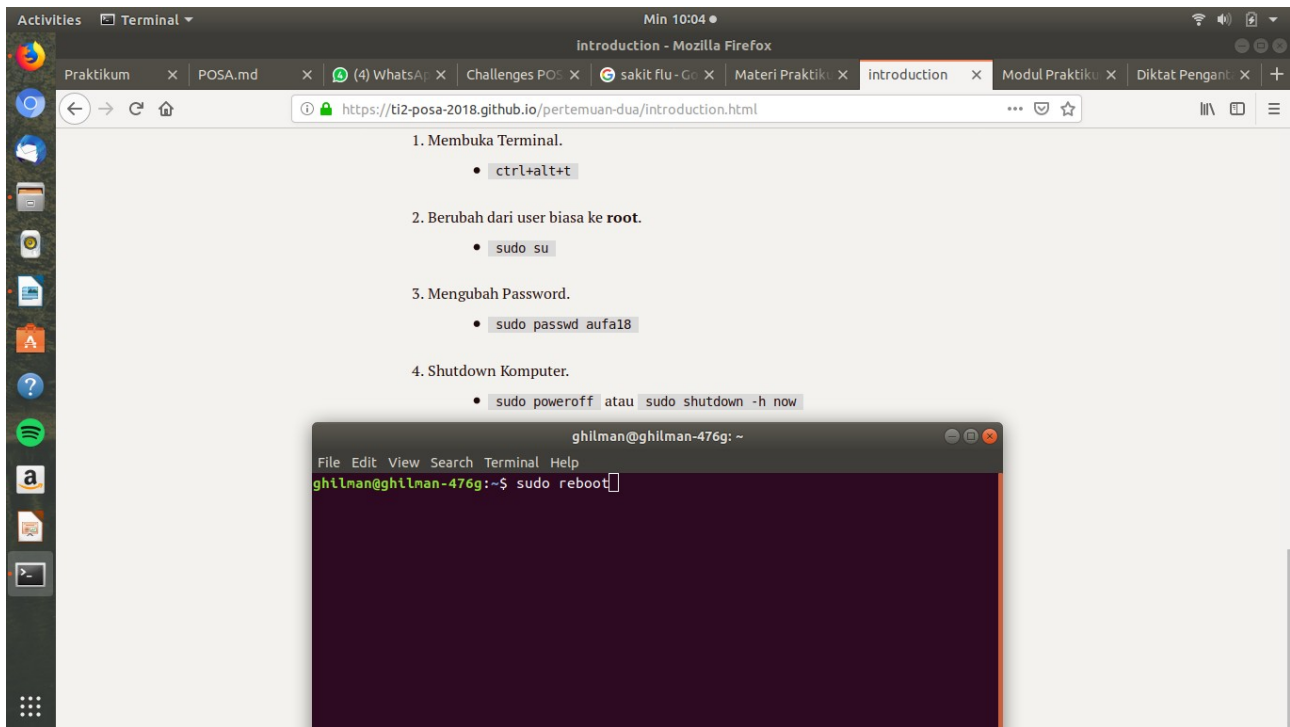
## 1. Menggunakan perintah sudo su di terminal



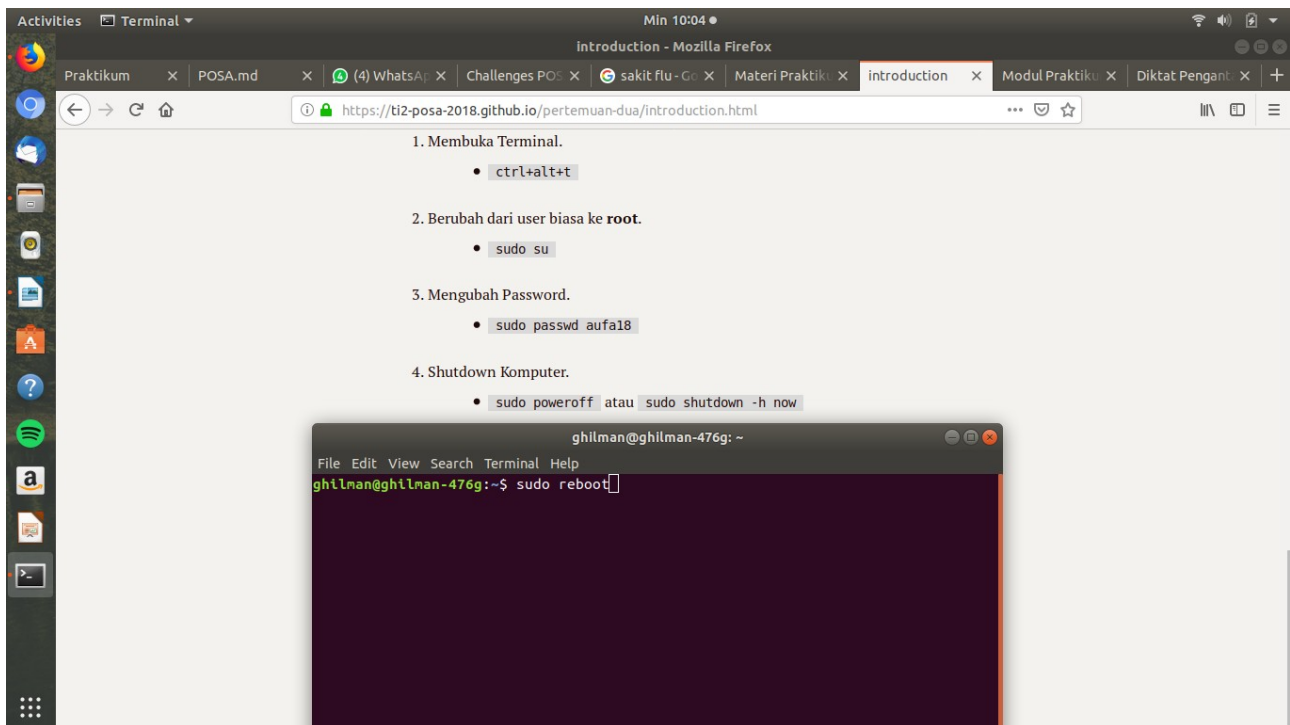
## 2. Menggunakan perintah sudo passwd fikri (user)



### 3. Menggunakan perintah `sudo reboot` atau `sudo shutdown -r now`

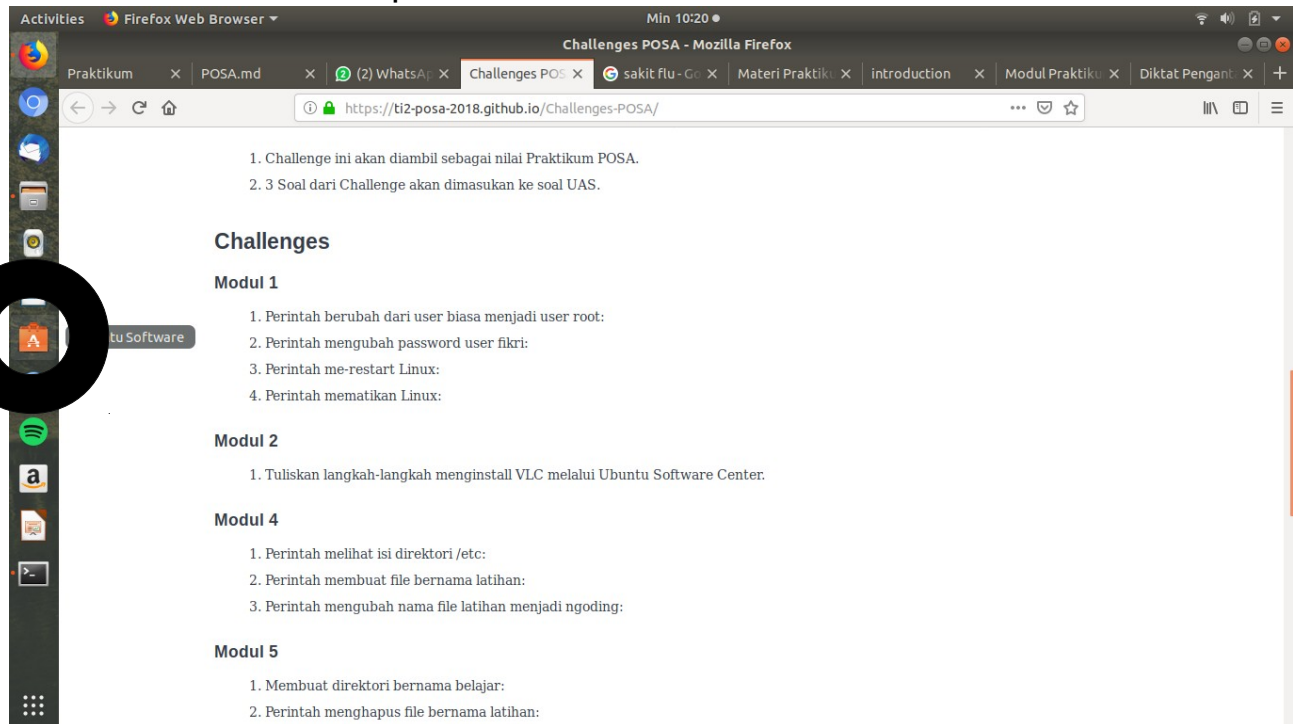


### 4. Menggunakan perintah `sudo poweroff` atau `sudo shutdown -h now`

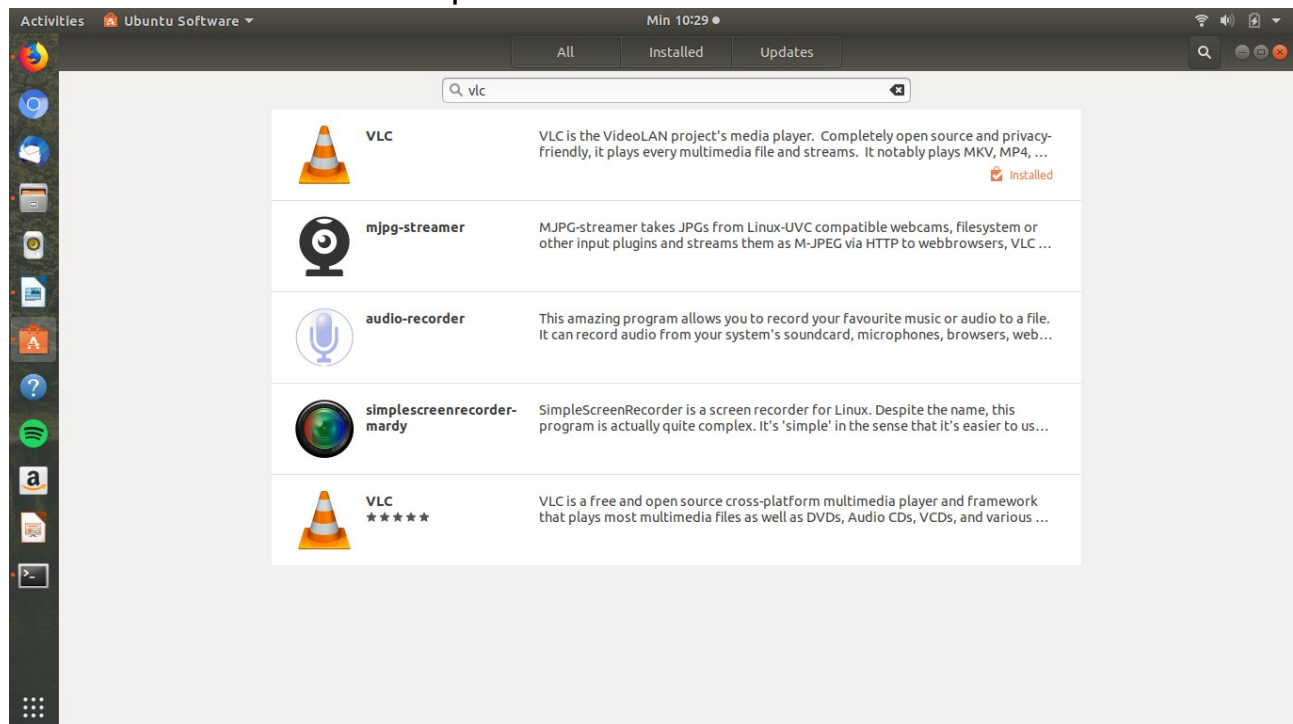


## Modul 2

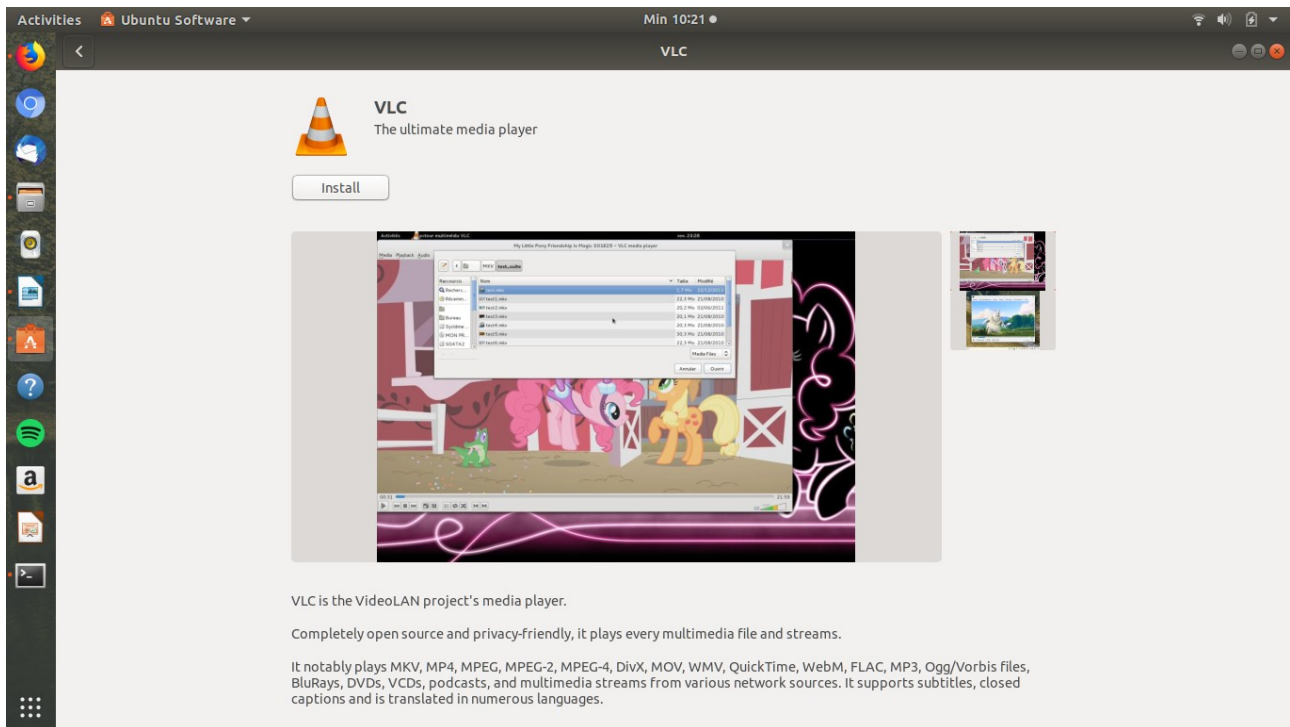
### 1. Pertama buka aplikasi Ubuntu software



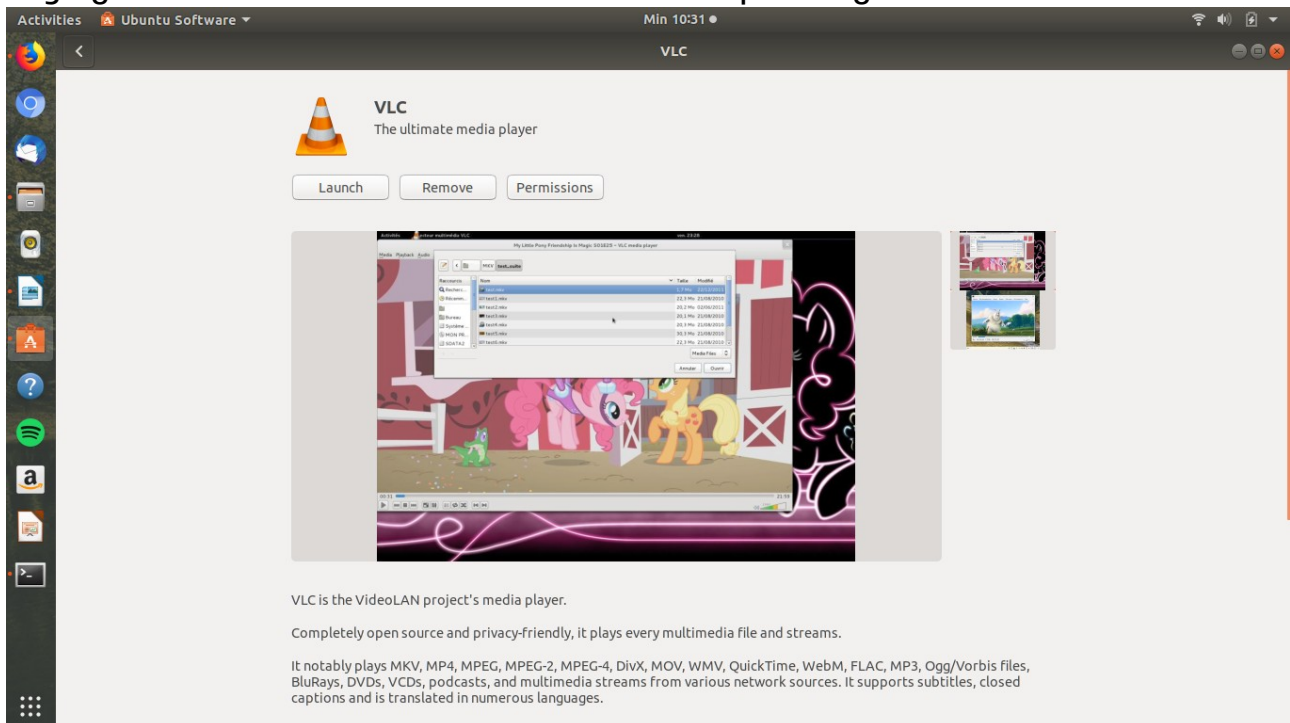
### 2. Setelah itu cari aplikasi VLC di Ubuntu software



3. Setelah klik VLC Klik install dan tunggu VLC selesai di unduh



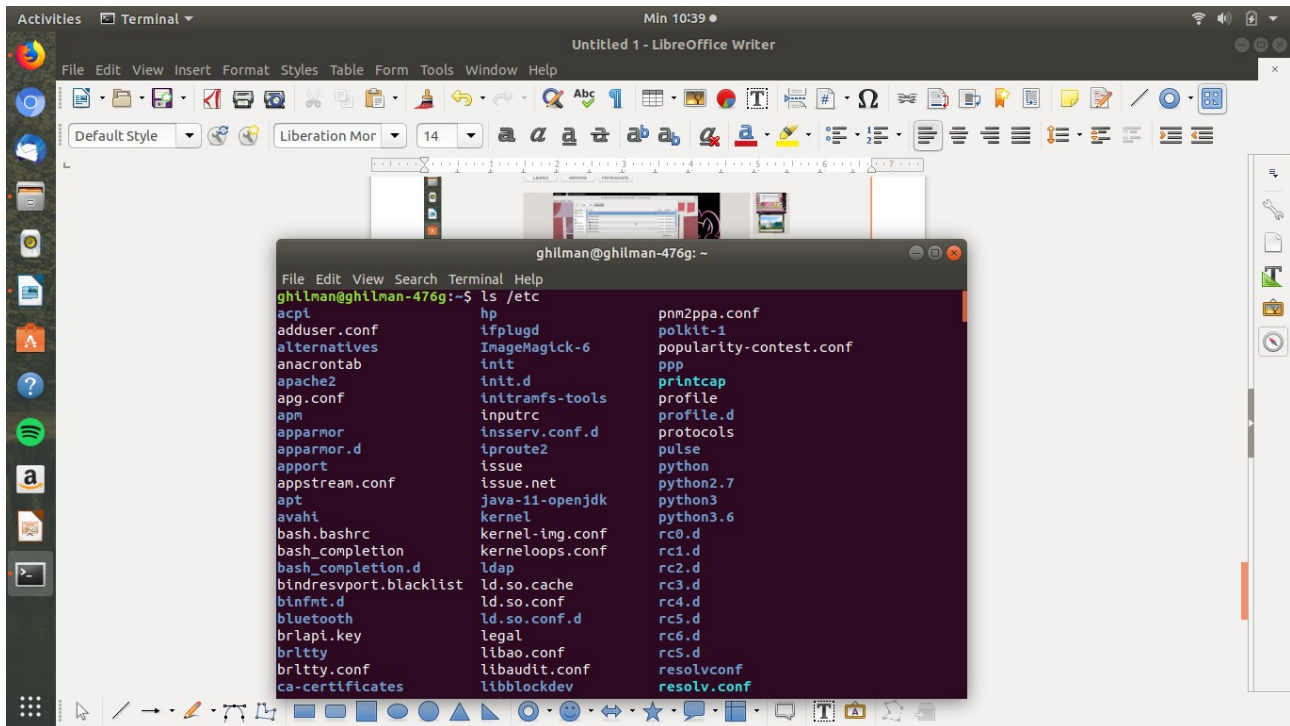
4. juga setelah di install vlc siap di gunakan



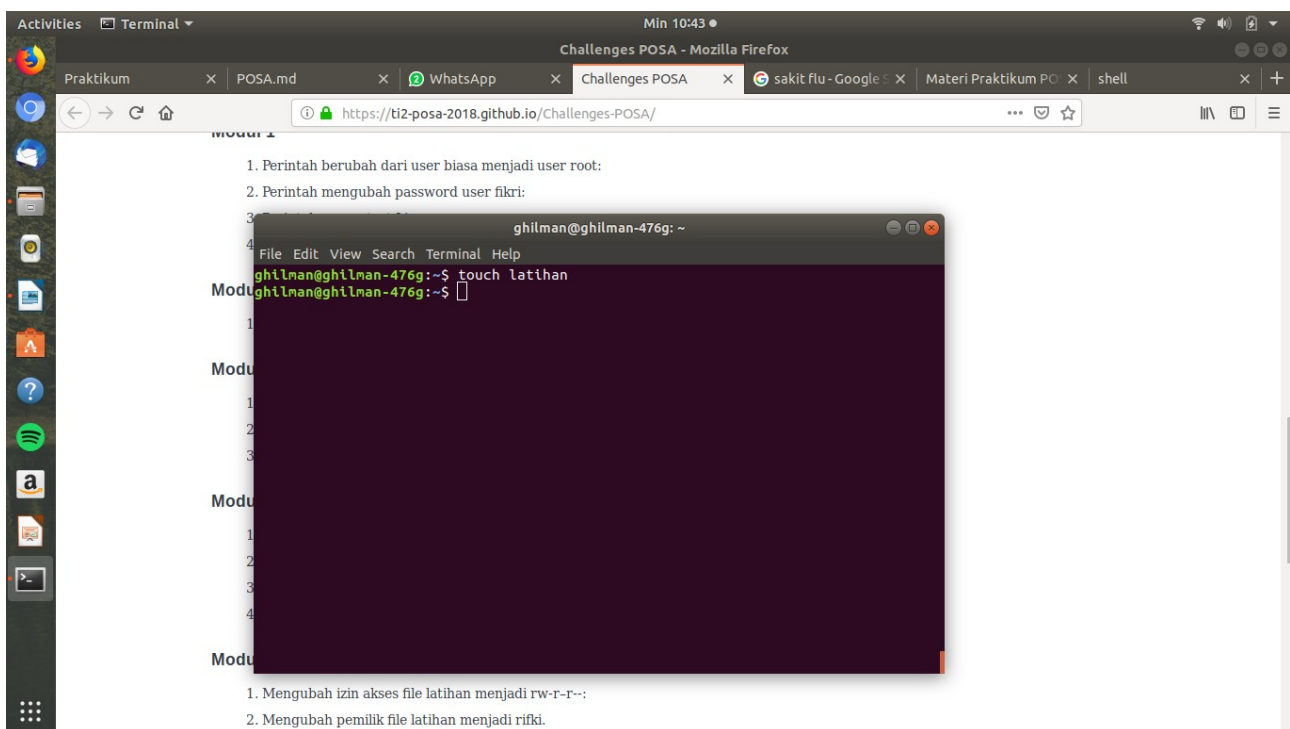
**\*Note : Harus menggunakan internet**

## Modul 4

### 1. Menggunakan Perintah `ls /etc` atau `ls -l /etc`

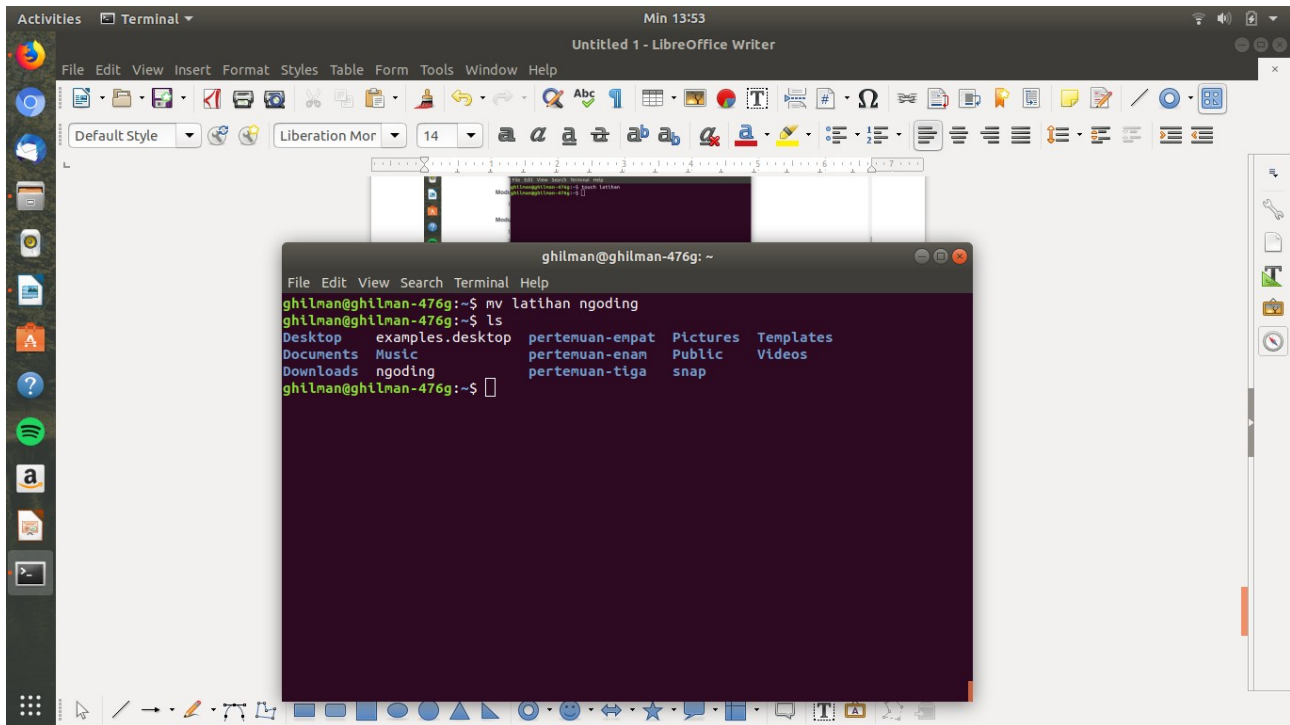


### 2. Menggunakan Perintah `touch latihan` atau `touch "latihan"`



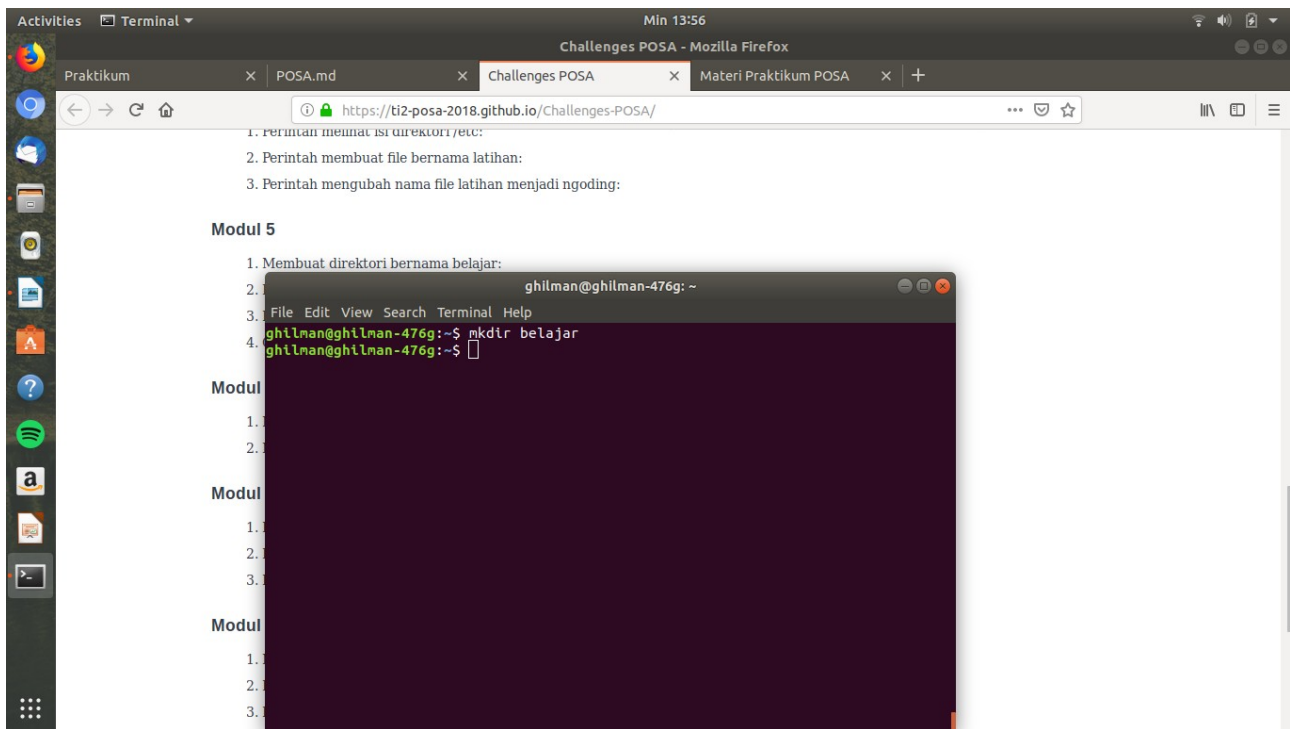


3. Menggunakan perintah mv latihan ngoding (latihan adalah nama yang lama dan ngoding adalah nama yang baru)

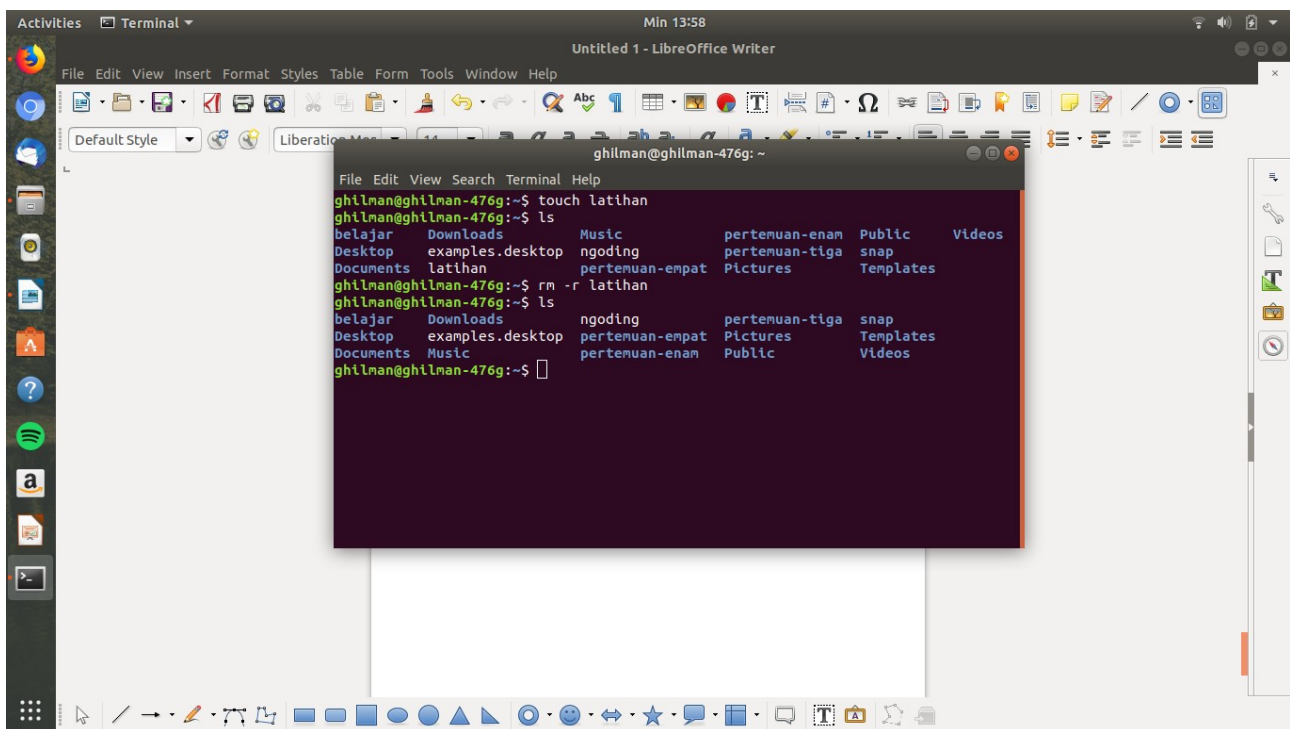


# Modul 5

## 1. Menggunakan perintah mkdir Belajar

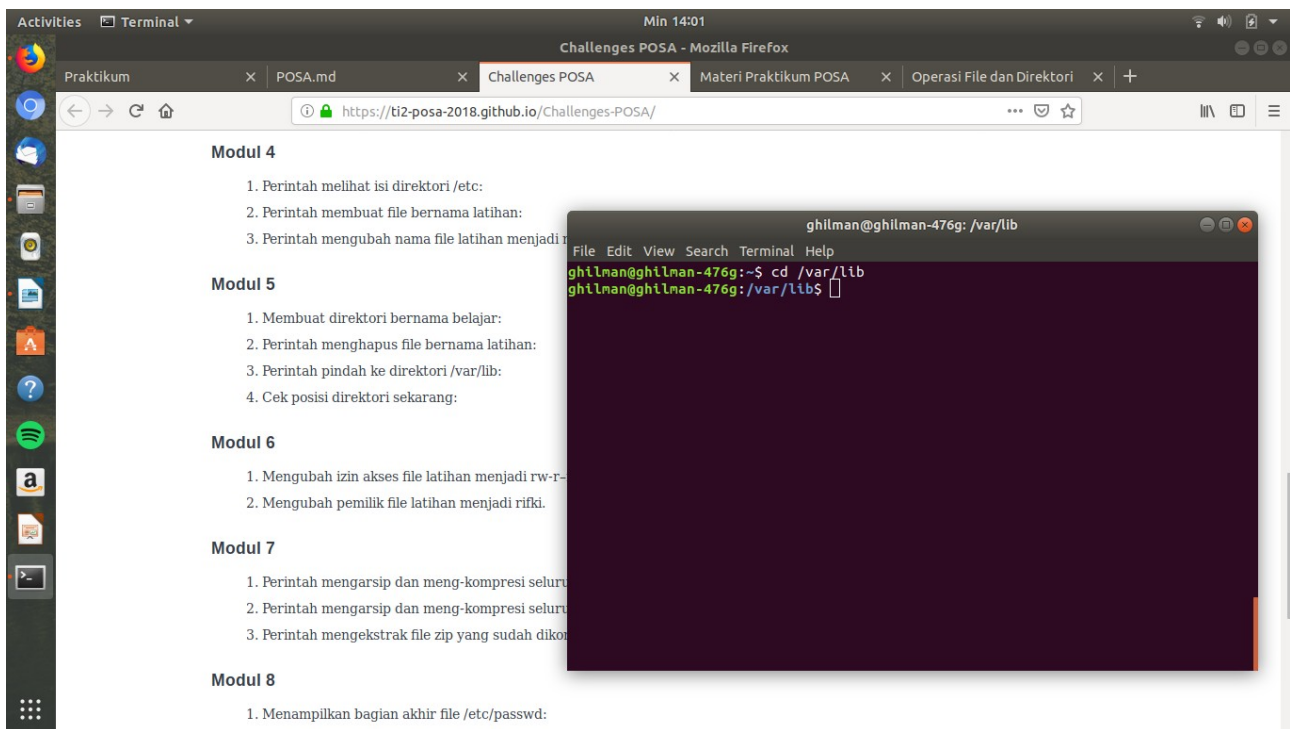


## 2. Menggunakan perintah rm -r latihan





### 3. Menggunakan perintah `cd /var/lib`



The screenshot shows a Linux desktop environment. In the background, a Mozilla Firefox browser window is open to the URL <https://ti2-posa-2018.github.io/Challenges-POSA/>. The page displays a list of challenges organized into modules. A terminal window is overlaid on the browser, showing the user's current directory as `/var/lib`. The terminal prompt is `ghilman@ghilman-476g: /var/lib`, and the user has entered the command `cd /var/lib`, which has been executed successfully, as indicated by the prompt changing to `ghilman@ghilman-476g: /var/lib$`.

**Modul 4**

1. Perintah melihat isi direktori `/etc`:
2. Perintah membuat file bernama latihan:
3. Perintah mengubah nama file latihan menjadi `latihan1`:

**Modul 5**

1. Membuat direktori bernama belajar:
2. Perintah menghapus file bernama latihan:
3. Perintah pindah ke direktori `/var/lib`:
4. Cek posisi direktori sekarang:

**Modul 6**

1. Mengubah izin akses file latihan menjadi `rw-r--r--`:
2. Mengubah pemilik file latihan menjadi `rifki`:

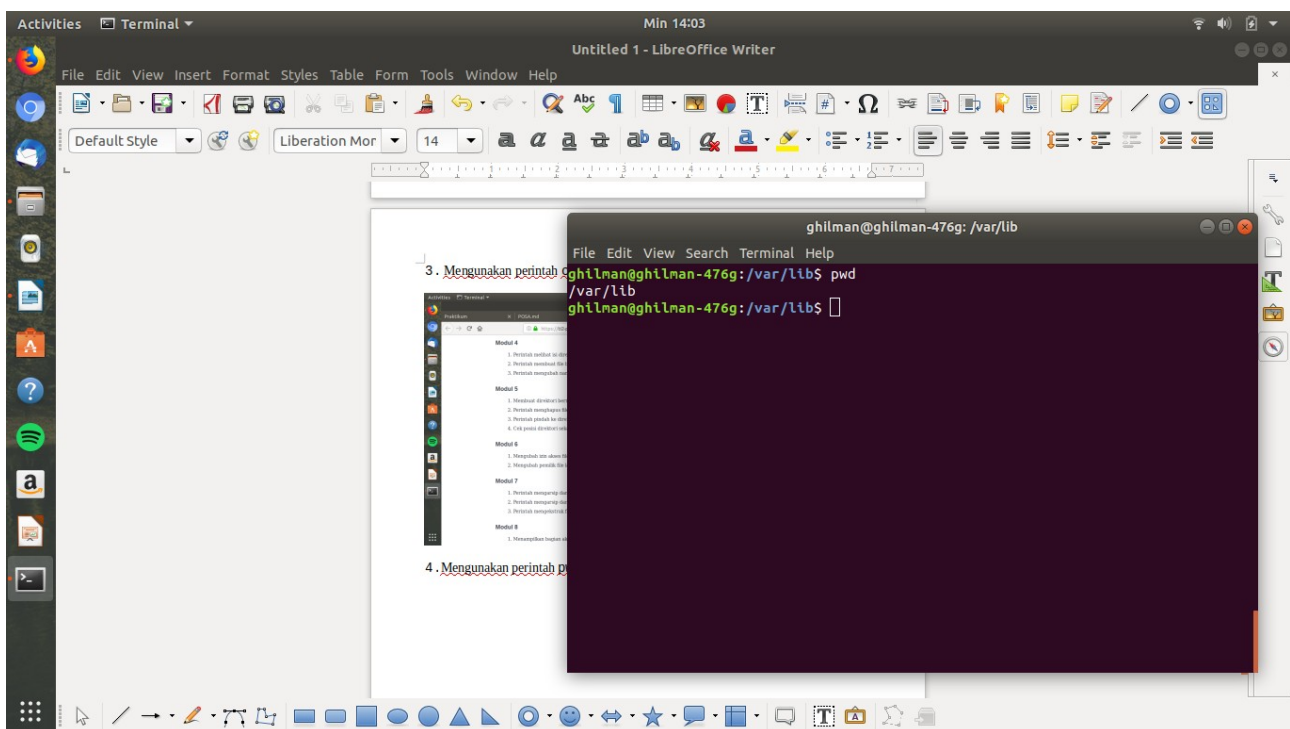
**Modul 7**

1. Perintah mengarsip dan meng-kompresi seluruh isi direktori `/var/lib` menjadi file `latihan.zip`:
2. Perintah mengarsip dan meng-kompresi seluruh isi direktori `/var/lib` menjadi file `latihan.tar.gz`:
3. Perintah mengekstrak file zip yang sudah dikompresi:

**Modul 8**

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

### 4. Menggunakan perintah `pwd`



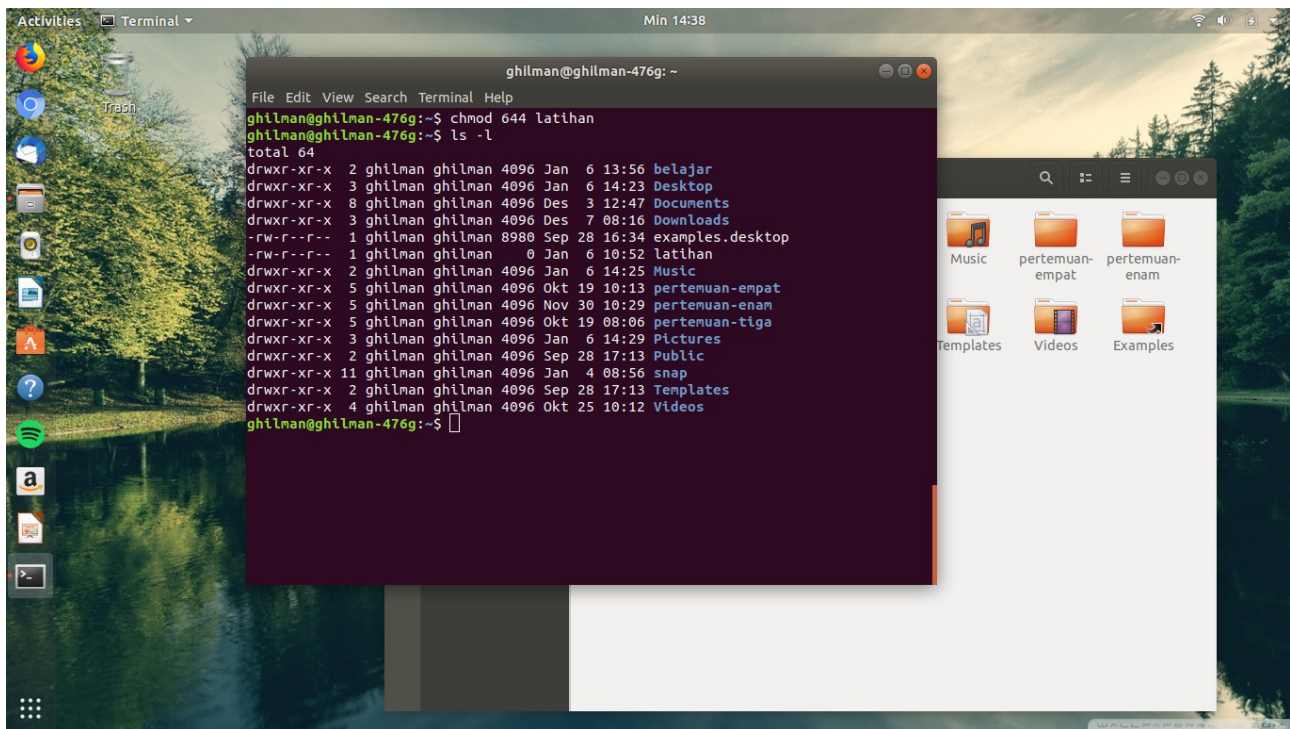
The screenshot shows a Linux desktop environment. In the background, a LibreOffice Writer window is open, displaying the same challenge page as in the previous image. A terminal window is overlaid on the writer, showing the user's current directory as `/var/lib`. The terminal prompt is `ghilman@ghilman-476g: /var/lib`, and the user has entered the command `pwd`, which has been executed successfully, as indicated by the prompt changing to `ghilman@ghilman-476g: /var/lib$`.

**3. Menggunakan perintah `cd /var/lib`**

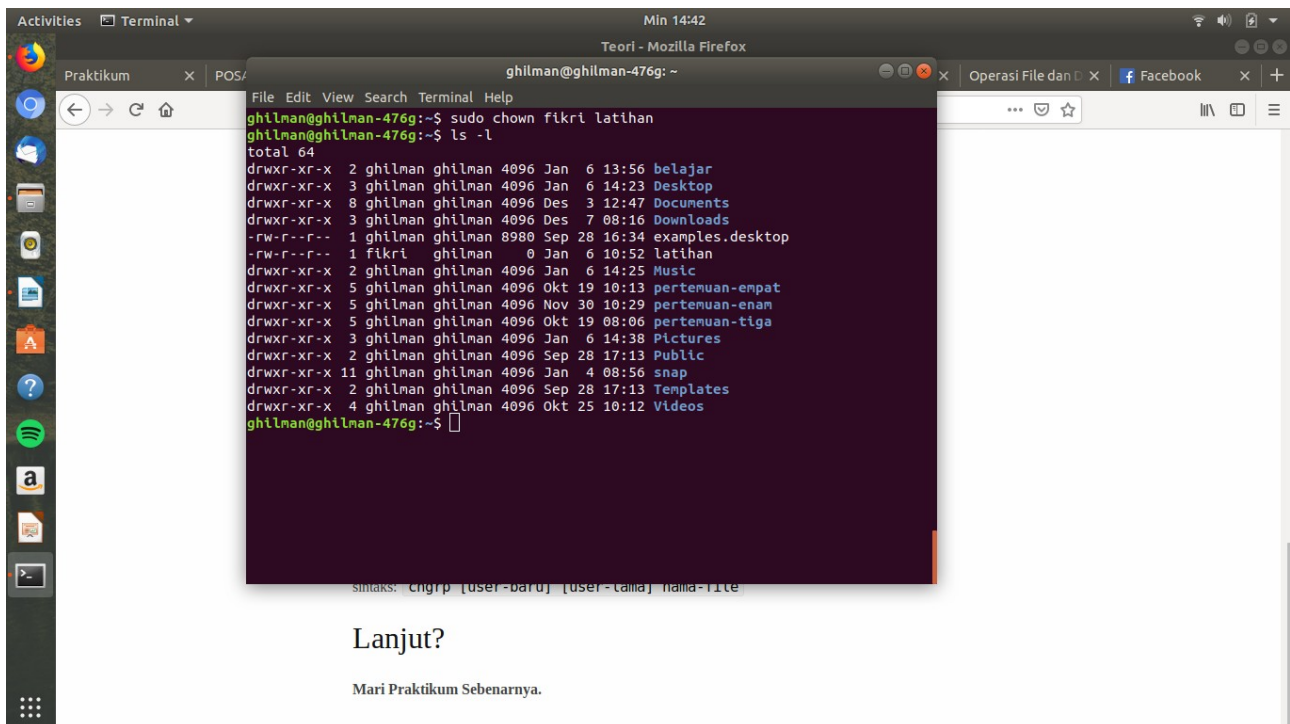
**4. Menggunakan perintah `pwd`**

## Modul 6

### 1. Menggunakan perintah chmod 644 latihan

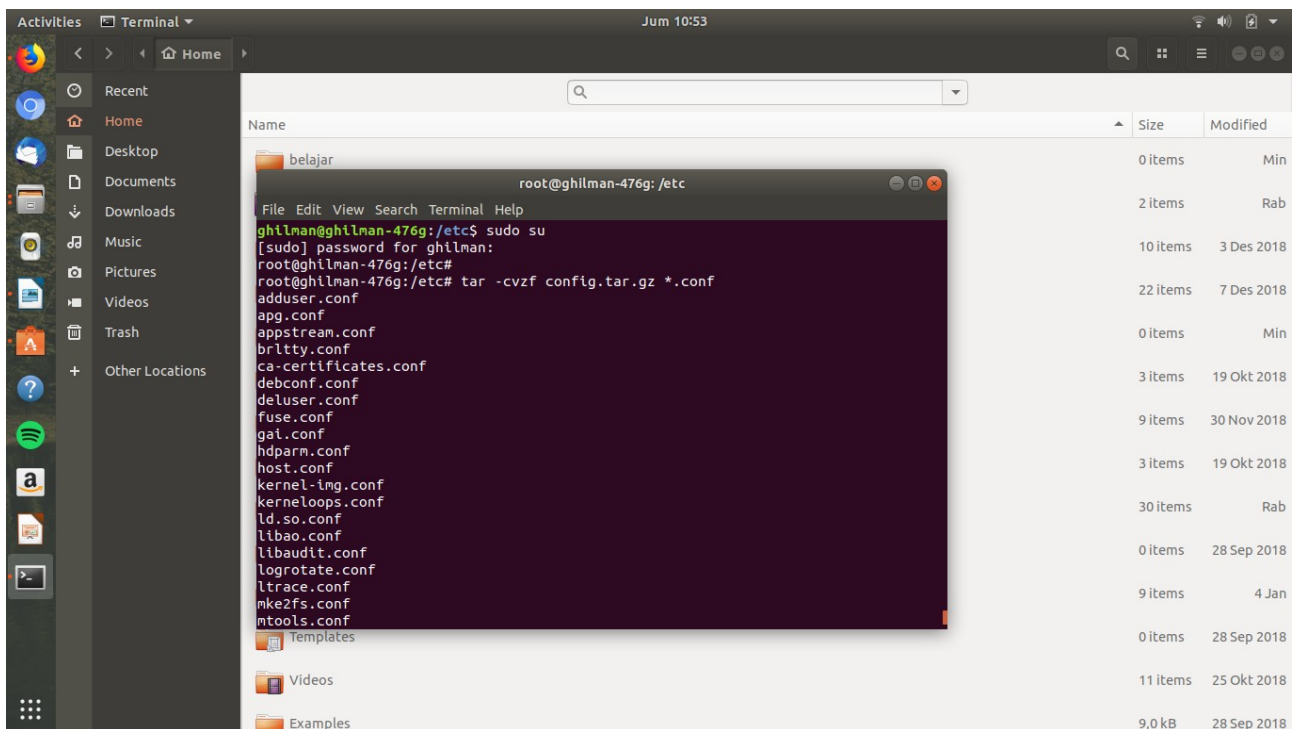


### 2. Menggunakan perintah sudo chown fikri latihan

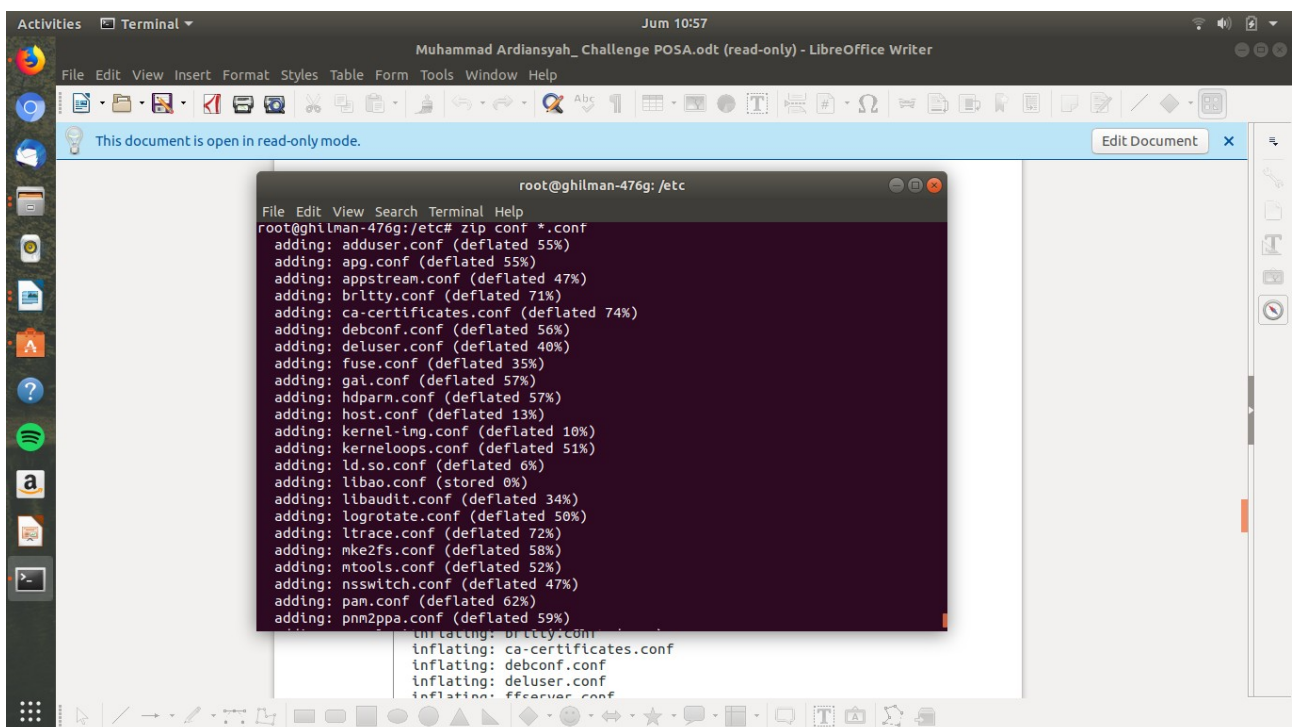


## Modul 7

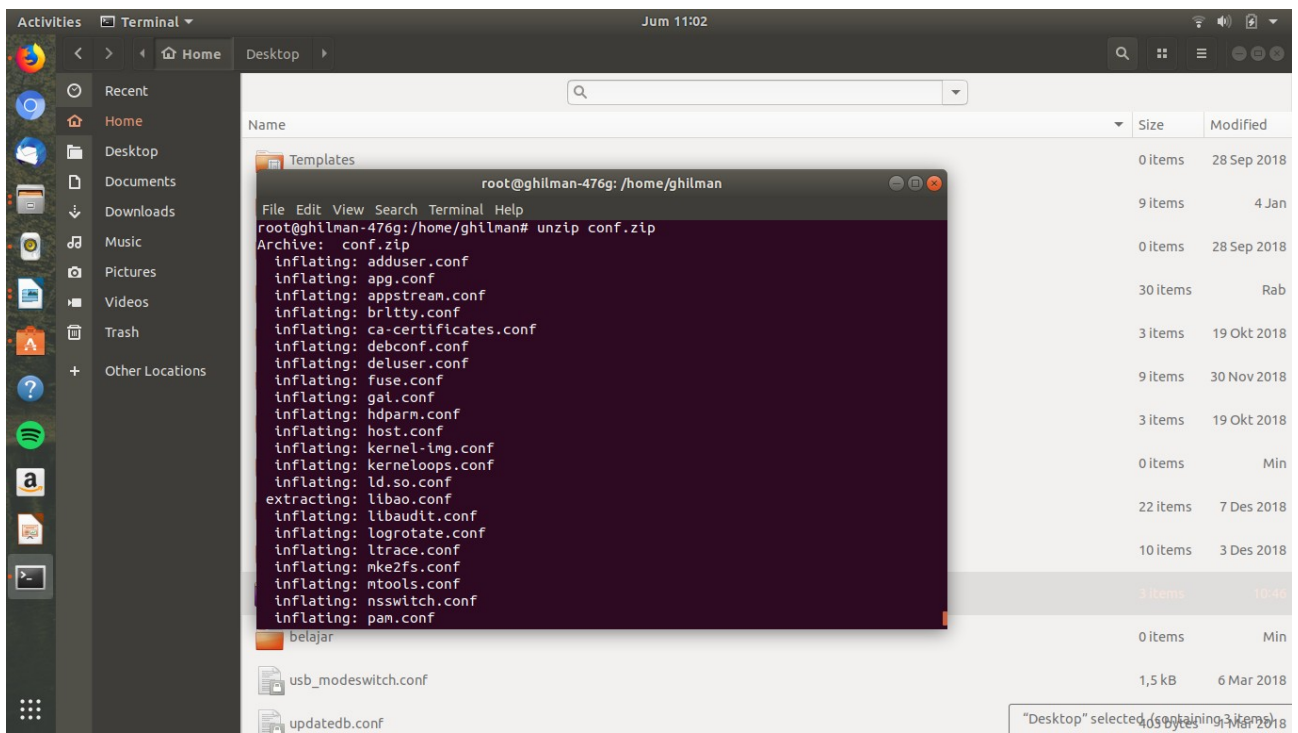
### 1. Menggunakan perintah tar -cvzf config.tar.gz \*.conf



### 2. Menggunakan perintah zip conf \*.conf



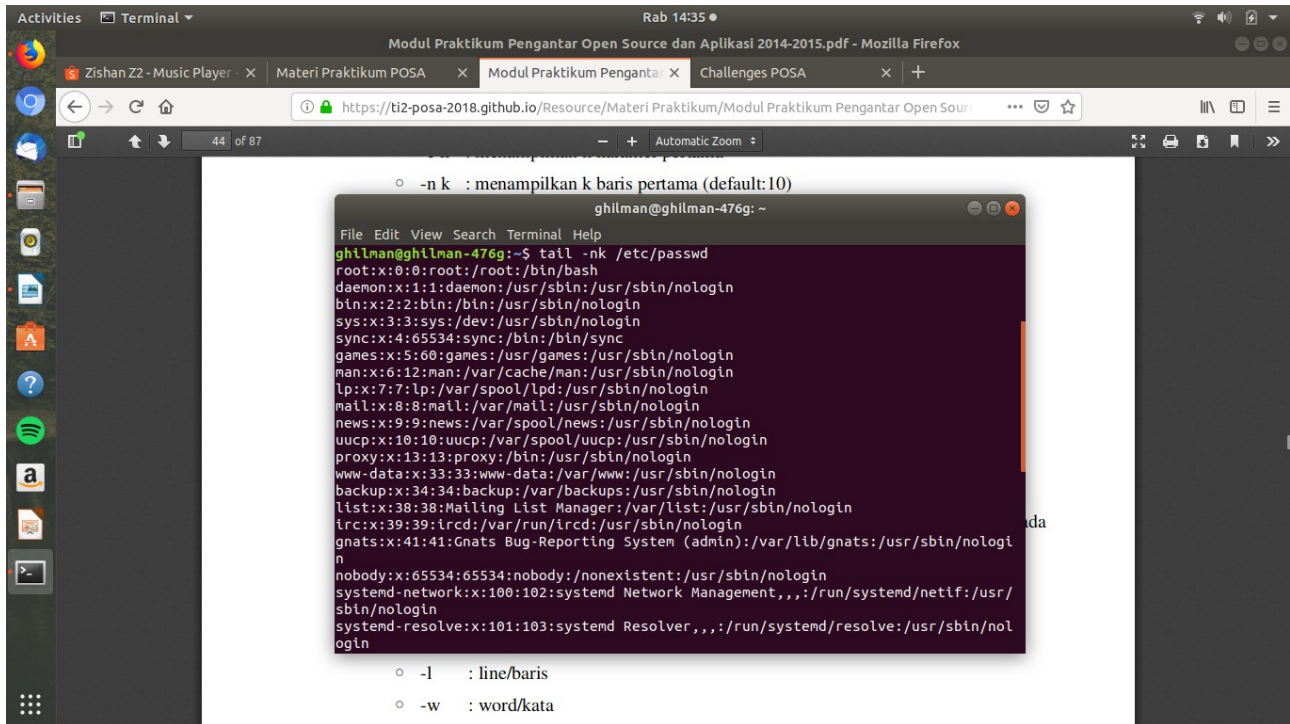
### 3. Menggunakan perintah `unzip conf.zip`





## Modul 8

### 1. Menugunakan perintah `tail -nk /etc/passwd`

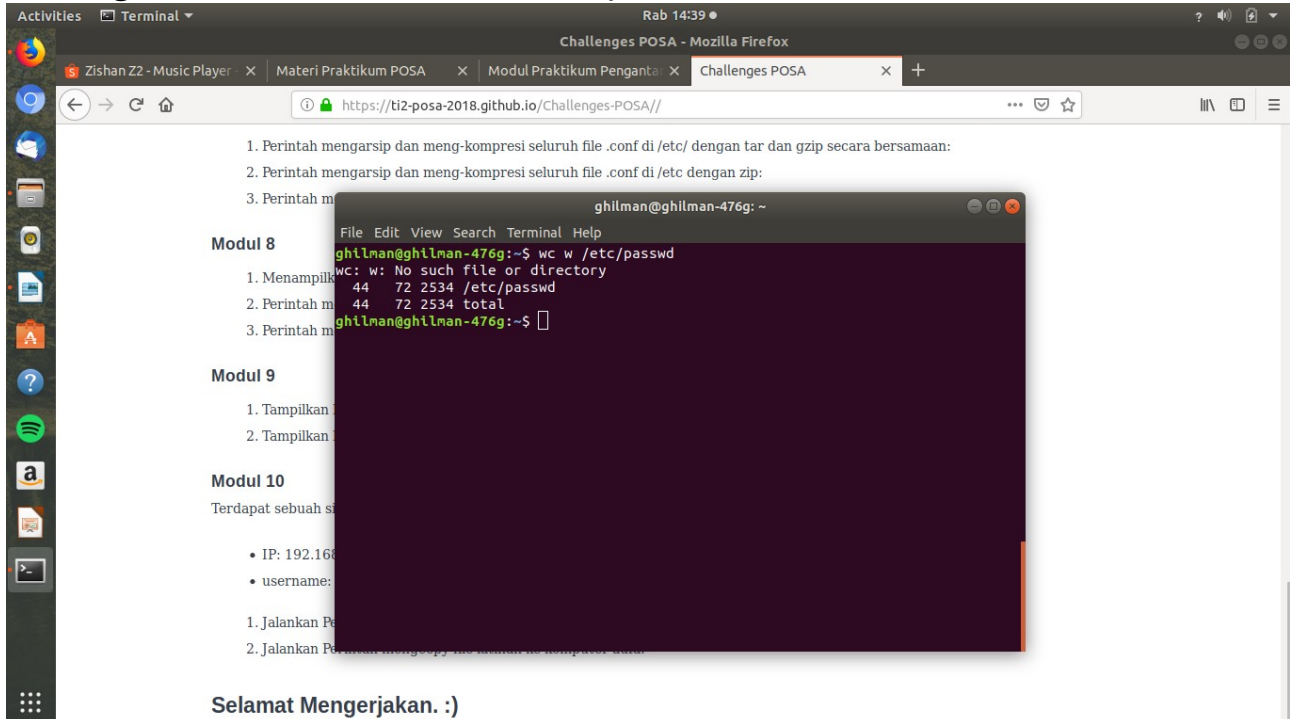


The screenshot shows a terminal window titled "ghilman@ghilman-476g: ~". The command `tail -nk /etc/passwd` has been executed, displaying the last 10 lines of the `/etc/passwd` file. The output lists system users and regular users, including `root`, `daemon`, `bin`, `sys`, `sync`, `games`, `man`, `lp`, `mail`, `news`, `uucp`, `proxy`, `www-data`, `backup`, `list`, `irc`, `gnats`, `nobody`, `systemd-network`, and `systemd-resolve`. Below the terminal window, a legend explains the options: `-l` for line/baris and `-w` for word/kata.

```
ghilman@ghilman-476g: ~  
ghilman@ghilman-476g:~$ tail -nk /etc/passwd  
root:x:0:0:root:/root:/bin/bash  
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin  
bin:x:2:2:bin:/bin:/usr/sbin/nologin  
sys:x:3:3:sys:/dev:/usr/sbin/nologin  
sync:x:4:65534:sync:/bin:/bin/sync  
games:x:5:60:games:/usr/games:/usr/sbin/nologin  
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin  
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin  
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin  
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin  
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin  
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin  
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin  
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin  
list:x:38:38:Mail List Manager:/var/list:/usr/sbin/nologin  
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin  
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin  
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin  
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd/netif:/usr/sbin/nologin  
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd/resolve:/usr/sbin/nologin
```

○ -l : line/baris  
○ -w : word/kata

### 2. Menggunakan Perintah `wc w /etc/passwd`



The screenshot shows a terminal window titled "ghilman@ghilman-476g: ~". The command `wc -w /etc/passwd` has been executed, displaying the word count for the `/etc/passwd` file. The output is: `44 72 2534 /etc/passwd` and `44 72 2534 total`. In the background, a web browser window displays the "Challenges POSA" page, which contains instructions for various modules, including Modul 8, Modul 9, and Modul 10. The page also includes a "Selamat Mengerjakan. :)" message.

```
ghilman@ghilman-476g: ~  
ghilman@ghilman-476g:~$ wc -w /etc/passwd  
44 72 2534 /etc/passwd  
44 72 2534 total
```

**Modul 8**

1. Menampilkan
2. Perintah m
3. Perintah m

**Modul 9**

1. Tampilkan
2. Tampilkan

**Modul 10**

Terdapat sebuah s

- IP: 192.168
- username:

1. Jalankan P
2. Jalankan P

Selamat Mengerjakan. :)

### 3. Menggunakan perintah grep root /etc/passwd

The screenshot shows a Linux desktop environment. In the foreground, a terminal window is open, displaying the command `grep root /etc/passwd` and its output: `root:x:0:0:root:/root:/bin/bash`. The terminal prompt is `ghilman@ghilman-476g: ~`. In the background, a web browser window is open, showing a document titled "Modul Praktikum Pengantar Open Source dan Aplikasi 2014-2015.pdf - Mozilla Firefox". The document content includes the following text:

1. Mampu menggunakan perintah cat

#### B. Teori Singkat

Di dalam sistem operasi Linux banyak sek...  
memanipulasi file teks. Berikut dijelaskan b...

#### 1. cat - concatenate

Perintah cat digunakan untuk membuat dan...  
isi file teks.

Sintaks: `cat [OPTION]... [FILE]...`

Keterangan:

- **OPTION**
  - `-n` : menampilkan nomor bar...
  - `-v` : menampilkan non-printi...
- **FILE** : nama file teks

#### 2. more dan less

Perintah more dan less digunakan untuk membuat tampilan berhenti per layar.

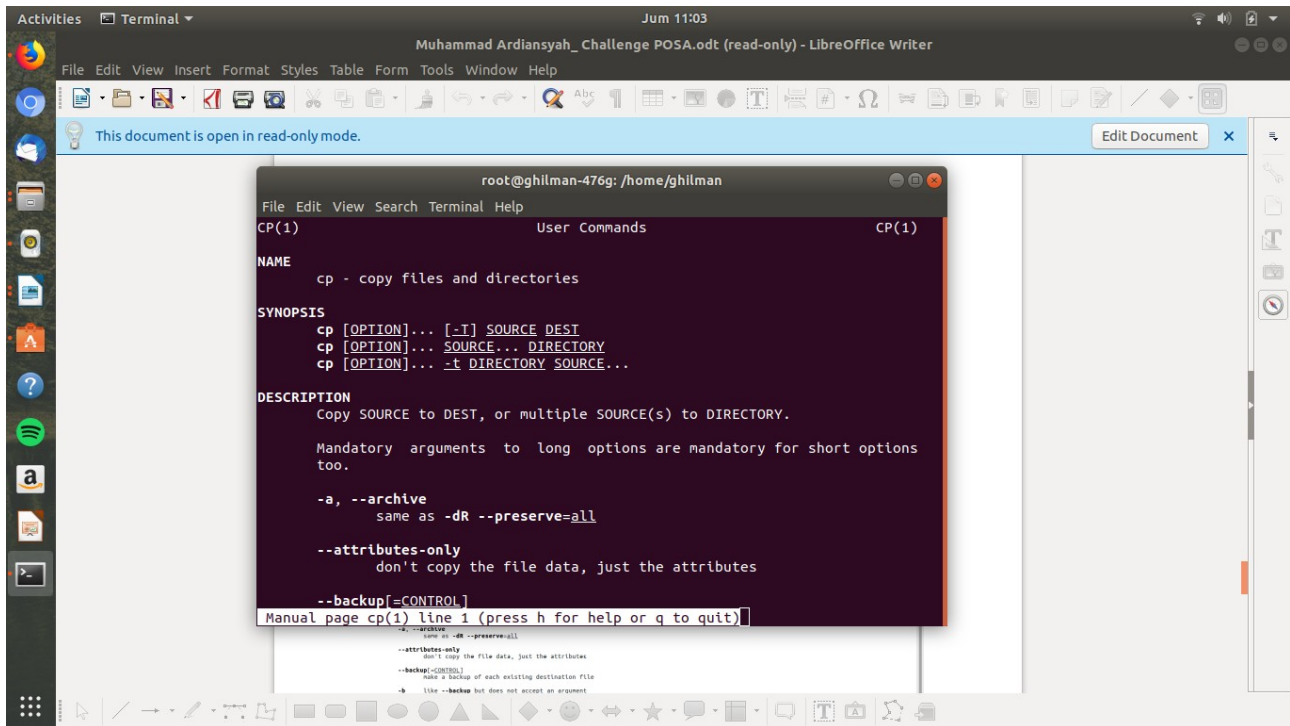
Sintaks perintah more: `more [FILE]...`

Keterangan:



# Modul 9

## 1. Menggunakan perintah man cp



```
root@ghilman-476g: /home/ghilman
File Edit View Search Terminal Help
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.

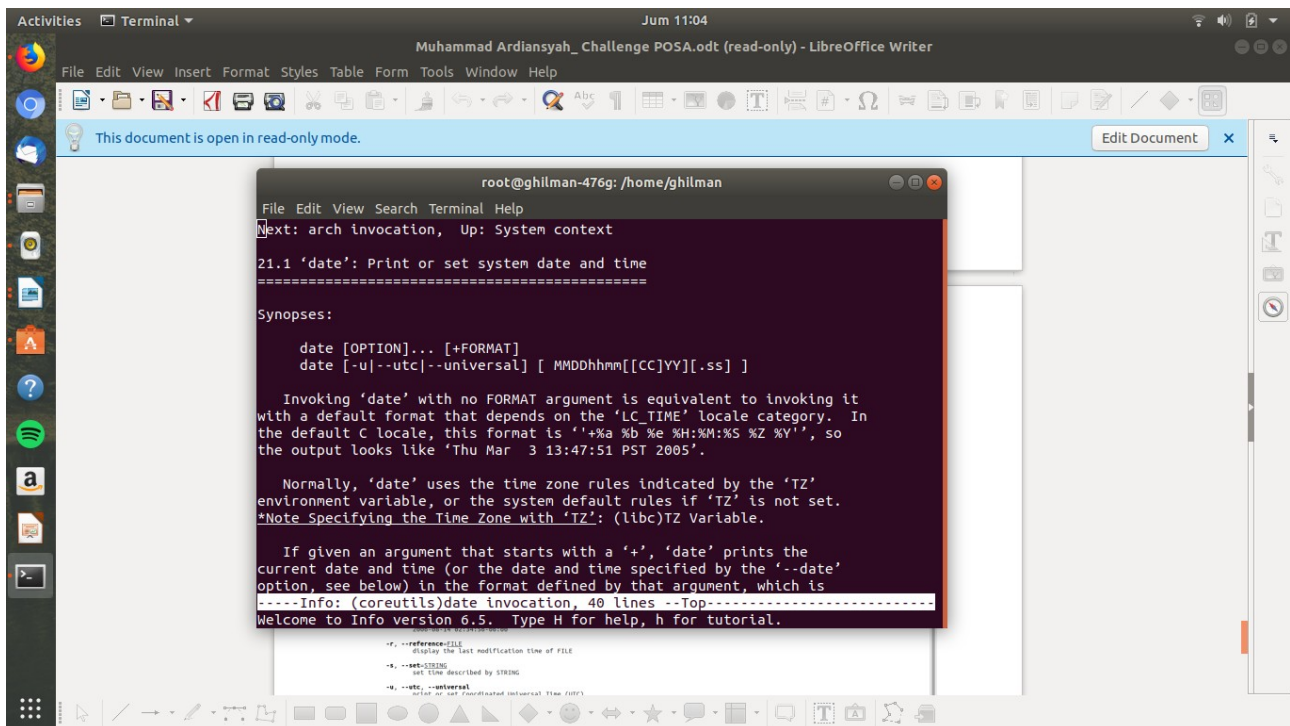
Mandatory arguments to long options are mandatory for short options too.

-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. Menggunakan perintah info date



```
root@ghilman-476g: /home/ghilman
File Edit View Search Terminal Help
Next: arch invocation, Up: System context

21.1 'date': Print or set system date and time
=====
Synopses:

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'.

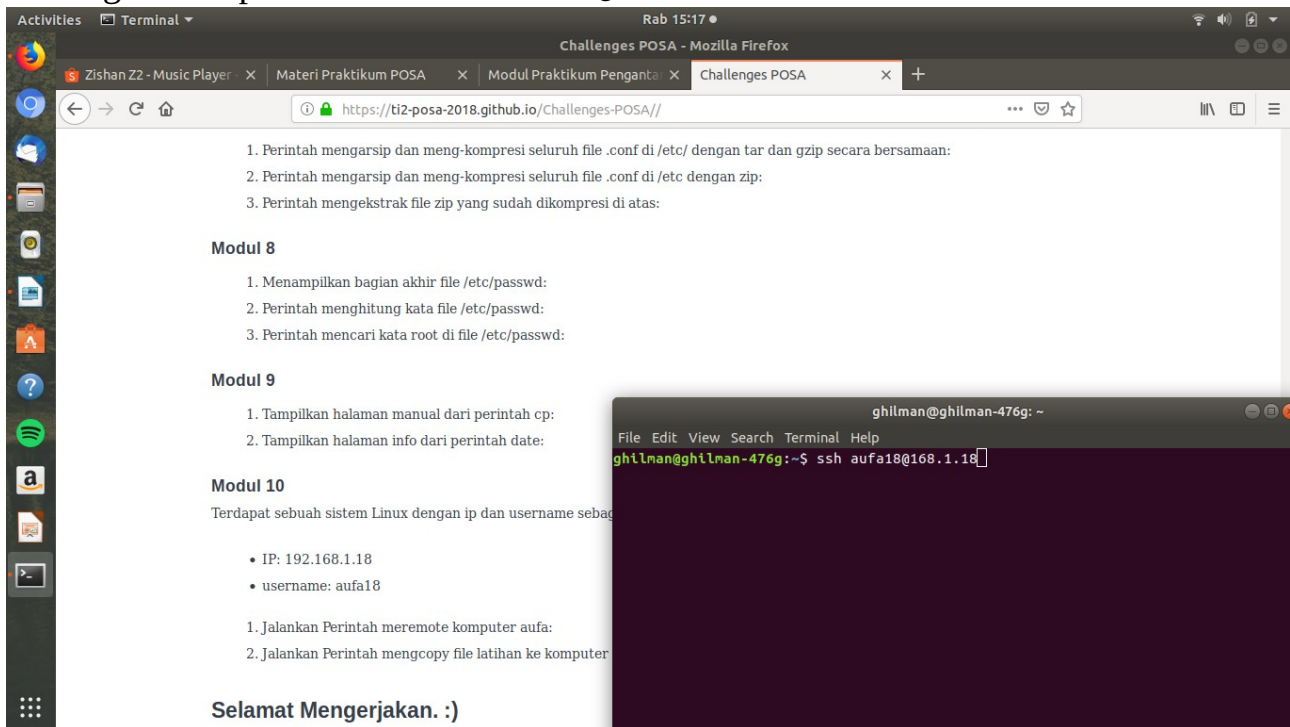
Normally, 'date' uses the time zone rules indicated by the 'TZ'
environment variable, or the system default rules if 'TZ' is not set.
*Note Specifying the Time Zone with 'TZ': (libc)TZ Variable.

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
-----Info: (coreutils)date invocation, 40 lines --Top-----
Welcome to Info version 6.5. Type H for help, h for tutorial.

-r, --reference=FILE
    display the last modification time of FILE
-s, --set=TIME
    set time described by STRING
-u, --utc, --universal
    output or set Coordinated Universal Time (UTC)
```

# Modul 10

## 1. Menggunakan perintah ssh aufa18@168.1.18



The screenshot shows a desktop environment with a web browser (Mozilla Firefox) and a terminal window. The browser window displays the 'Challenges POSA' page from the GitHub repository <https://ti2-posa-2018.github.io/Challenges-POSA/>. The page contains instructions for various modules, including Modul 8, Modul 9, and Modul 10. The terminal window shows the user 'ghilman' at 'ghilman-476g' executing the command `ssh aufa18@168.1.18`.

Activities Terminal ▾ Rab 15:17 ● Challenges POSA - Mozilla Firefox

Challenges POSA - Mozilla Firefox

<https://ti2-posa-2018.github.io/Challenges-POSA/>

1. Perintah mengarsip dan meng-kompresi seluruh file `.conf` di `/etc/` dengan `tar` dan `gzip` secara bersamaan:
2. Perintah mengarsip dan meng-kompresi seluruh file `.conf` di `/etc` dengan `zip`:
3. Perintah mengekstrak file `zip` yang sudah dikompresi di atas:

**Modul 8**

1. Menampilkan bagian akhir file `/etc/passwd`:
2. Perintah menghitung kata file `/etc/passwd`:
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`:

**Modul 10**

Terdapat sebuah sistem Linux dengan ip dan username sebagai berikut:

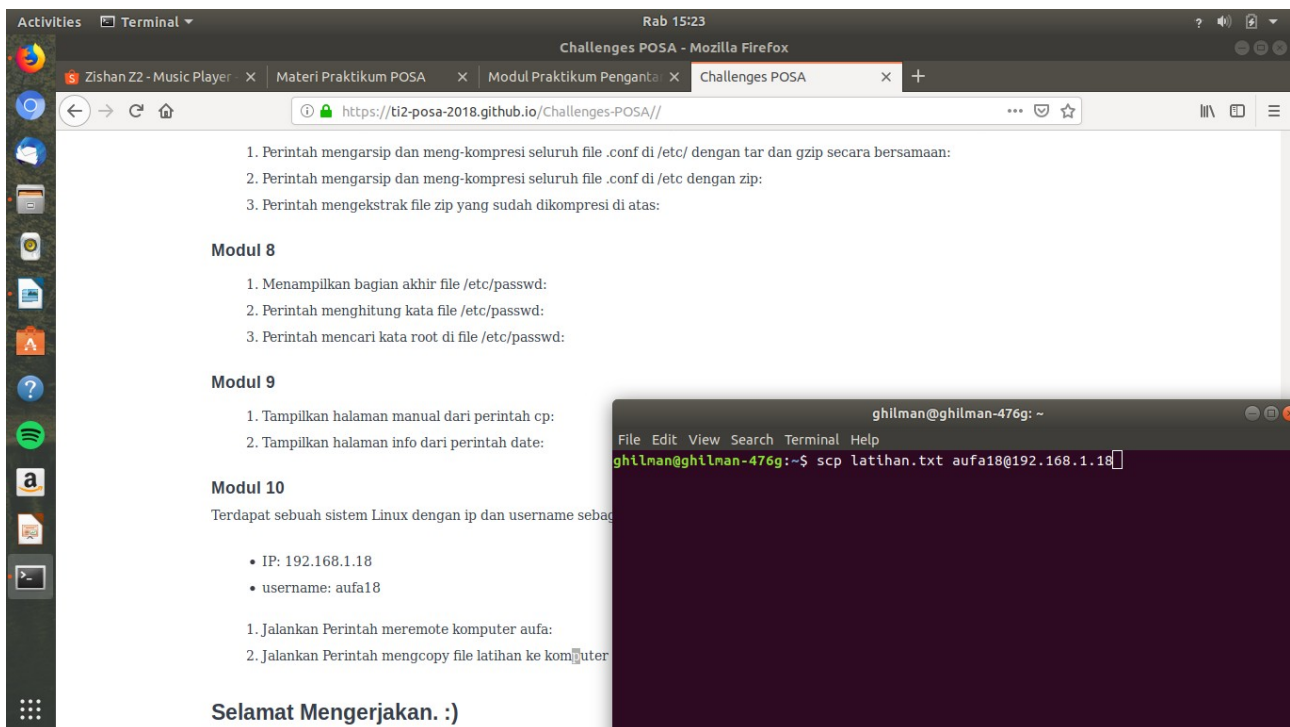
- IP: 192.168.1.18
- username: aufa18

1. Jalankan Perintah meremote komputer aufa:
2. Jalankan Perintah mengcopy file latihan ke komputer:

**Selamat Mengerjakan. :)**

ghilman@ghilman-476g: ~  
File Edit View Search Terminal Help  
ghilman@ghilman-476g:~\$ ssh aufa18@168.1.18

## 2. Menggunakan perintah scp latihan.txt aufa18@192.168.1.1



The screenshot shows a desktop environment with a web browser (Mozilla Firefox) and a terminal window. The browser window displays the 'Challenges POSA' page from the GitHub repository <https://ti2-posa-2018.github.io/Challenges-POSA/>. The page contains instructions for various modules, including Modul 8, Modul 9, and Modul 10. The terminal window shows the user 'ghilman' at 'ghilman-476g' executing the command `scp latihan.txt aufa18@192.168.1.18`.

Activities Terminal ▾ Rab 15:23 ● Challenges POSA - Mozilla Firefox

Challenges POSA - Mozilla Firefox

<https://ti2-posa-2018.github.io/Challenges-POSA/>

1. Perintah mengarsip dan meng-kompresi seluruh file `.conf` di `/etc/` dengan `tar` dan `gzip` secara bersamaan:
2. Perintah mengarsip dan meng-kompresi seluruh file `.conf` di `/etc` dengan `zip`:
3. Perintah mengekstrak file `zip` yang sudah dikompresi di atas:

**Modul 8**

1. Menampilkan bagian akhir file `/etc/passwd`:
2. Perintah menghitung kata file `/etc/passwd`:
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`:

**Modul 10**

Terdapat sebuah sistem Linux dengan ip dan username sebagai berikut:

- IP: 192.168.1.18
- username: aufa18

1. Jalankan Perintah meremote komputer aufa:
2. Jalankan Perintah mengcopy file latihan ke komputer:

**Selamat Mengerjakan. :)**

ghilman@ghilman-476g: ~  
File Edit View Search Terminal Help  
ghilman@ghilman-476g:~\$ scp latihan.txt aufa18@192.168.1.18