

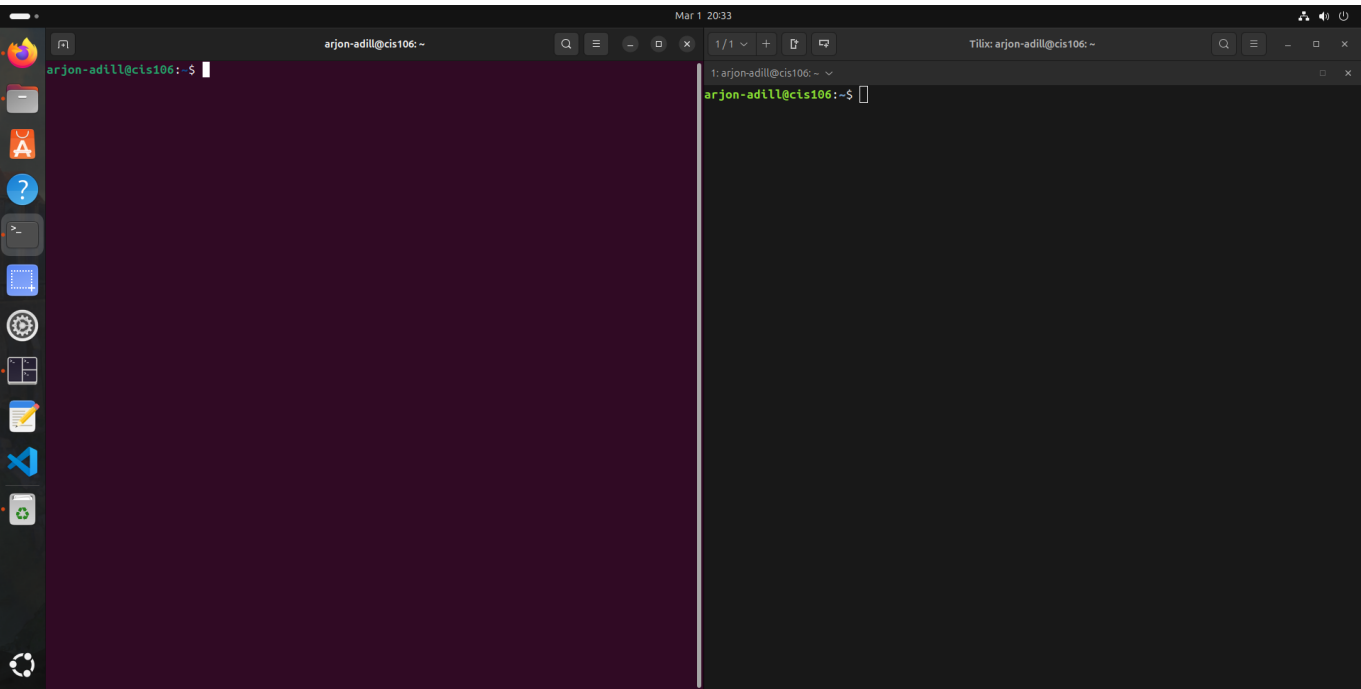
# Week Report 3

## Completed work Week 3

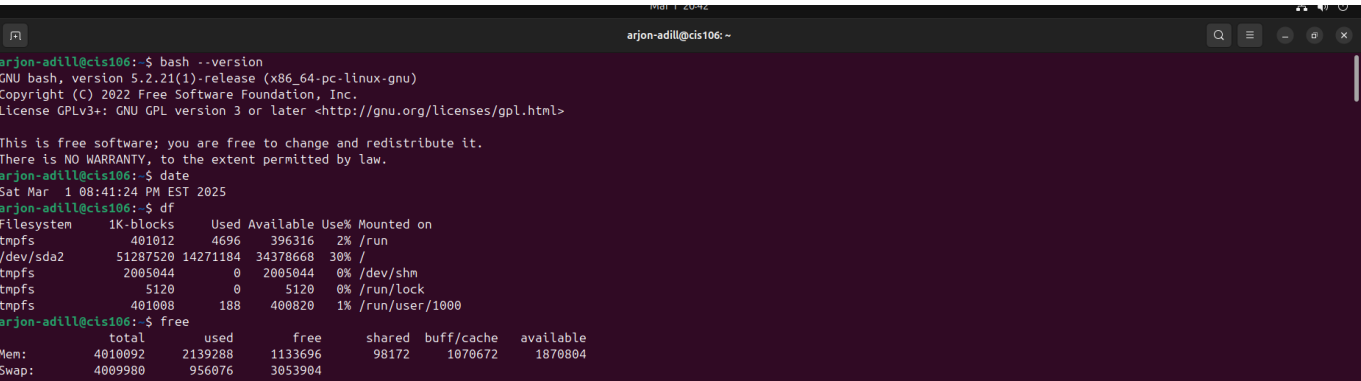
- lab3
- Notes3

## Practice

### Practice 1



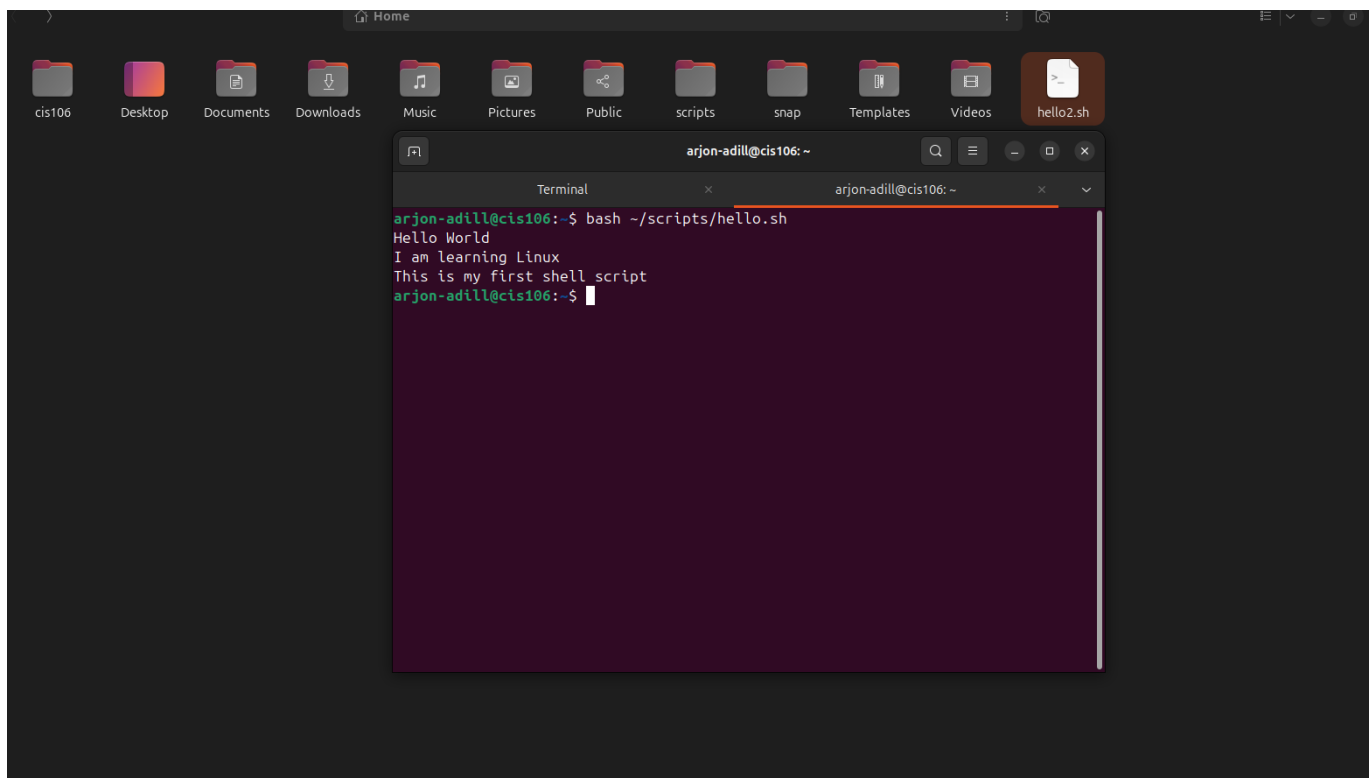
### Practice 2



### Practice 3

```
arjon-adill@cis106: ~  
arjon-adill@cis106: ~  
arjon-adill@cis106:~$ date  
Sat Mar  1 08:48:29 PM EST 2025  
arjon-adill@cis106:~$ echo "hello world"  
hello world  
arjon-adill@cis106:~$ !number-of-line  
bash: !number: event not found  
arjon-adill@cis106:~$ !!  
echo "hello world"  
hello world  
arjon-adill@cis106:~$ echo "hello"  
hello  
arjon-adill@cis106:~$ !!world  
echo "hello"world  
helloworld  
arjon-adill@cis106:~$
```

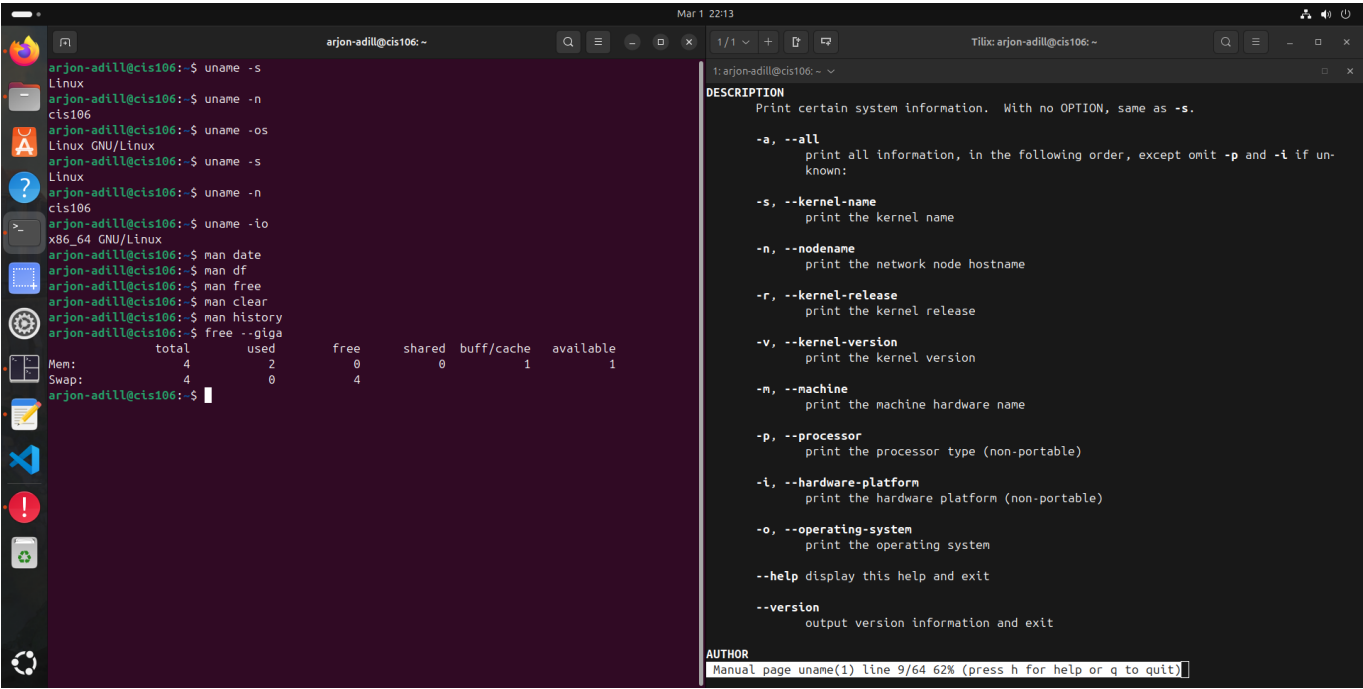
## Practice 4



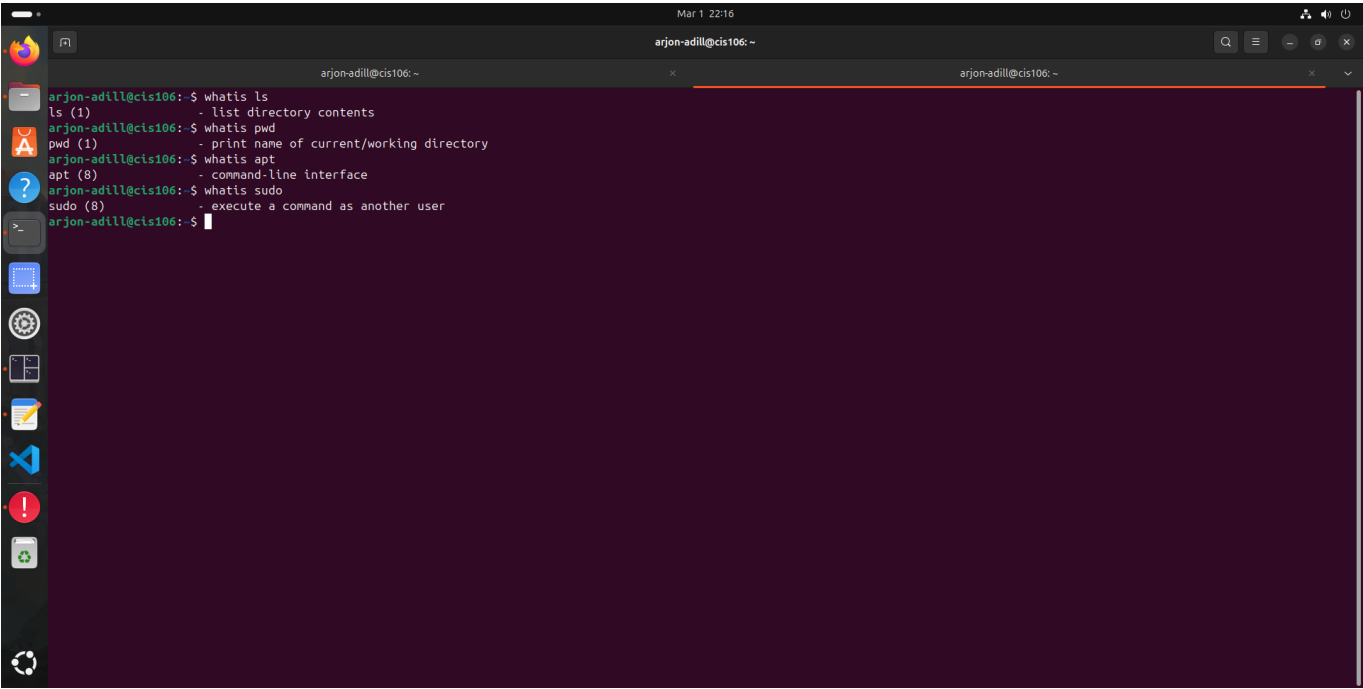
The screenshot shows a Linux desktop environment. At the top, there is a 'Home' window with a file manager showing various folders: cis106, Desktop, Documents, Downloads, Music, Pictures, Public, scripts, snap, Templates, Videos, and a file named 'hello2.sh'. Below this, a terminal window is open, displaying the execution of a shell script.

```
arjon-adill@cis106: ~  
arjon-adill@cis106: ~  
arjon-adill@cis106:~$ bash ~/scripts/hello.sh  
Hello World  
I am learning Linux  
This is my first shell script  
arjon-adill@cis106:~$
```

## Practice 5



Practice 6



Practice 7

```

arjon-adill@cis106: ~$ sudo snap install cheat
[sudo] password for arjon-adill:
snap "cheat" is already installed, see 'snap help refresh'
arjon-adill@cis106: ~$ cheat apt
# To find packages matching <phrase>:
apt search <phrase>

# To show information on a package:
apt show <package>

# To fetch package list:
apt update

# To download and install the updates and (UNLIKE apt-get) install new necessary packages:
apt upgrade

# To download and install the updates AND install new necessary packages
# AND remove packages that stand in the way of the upgrade - use with caution:
apt dist-upgrade

# To perform a full system upgrade:
apt update && apt upgrade # use dist-upgrade carefully if needed

# To install package(s):
apt install <package>...

# To uninstall package(s):
apt remove <package>...

# To remove automatically all unused packages:
apt autoremove

# To list dependencies of a package:
apt depends <package>...

# To remove packages and delete their config files:
apt purge <package>...

# To list all packages installed:
apt list --installed

```

## Practice 1 Managing Software

```

arjon-adill@cis106: ~$ sudo apt remove bastet
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libboost-program-options1.83.0
Use 'sudo apt autoremove' to remove it.
The following packages will be REMOVED:
  bastet
0 upgraded, 0 newly installed, 1 to remove and 42 not upgraded.
After this operation, 214 kB disk space will be freed.
Do you want to continue? [Y/n] sudo apt purge bastet
Abort.
arjon-adill@cis106:~$ n
n: command not found
arjon-adill@cis106:~$ sudo apt purge bastet
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libboost-program-options1.83.0
Use 'sudo apt autoremove' to remove it.
The following packages will be REMOVED:
  bastet*
0 upgraded, 0 newly installed, 1 to remove and 42 not upgraded.
After this operation, 214 kB disk space will be freed.
Do you want to continue? [Y/n] yes
(Reading database ... 168480 files and directories currently installed.)
Removing bastet (0.43-7build1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for desktop-file-utils (0.27-2build1) ...
(Reading database ... 168470 files and directories currently installed.)
Purging configuration files for bastet (0.43-7build1) ...
arjon-adill@cis106:~$

arjon-adill@cis106:~$ apt search "tetriz clone"
Sorting... Done
Full Text Search... Done
bastet/noble,now 0.43-7build1 amd64 [installed]
  ncurses Tetriz clone with a bastard algorithm

ltris/noble 1.2.8-1 amd64
  very polished Tetriz clone with CPU opponents

tint/noble 0.07 amd64
  Tetriz clone for text based terminal

```

## Practice 2 Managing Software

```

arjon-adill@cis106: ~$ snap search "tetriz clone"
Name            Version  Publisher  Notes  Summary
tetriz-in-racket 1.2-2    brunonova  -      Tetriz clone developed in Racket
vitetriz         0.57     bladernr   -      Console based version of Tetris
fairtriz         3.0.0.4  chronoscz  -      A fair implementation of Classic Tetris® video game.
pntriz           1.0      kz6fittycent -      Poor Man's Tetris Clone
ltriz-windows    1.2.3    marisag1967 -      A free Tetris clone that follows the original rules but adds some extras

arjon-adill@cis106:~$ sudo snap install tetriz-in-racket
[sudo] password for arjon-adill:
tetriz-in-racket 1.2-2 from Bruno Nova (brunonova) installed
arjon-adill@cis106:~$ sydo snap remove tetriz-in-racket
Command 'sydo' not found, did you mean:
  command 'sudo' from deb sudo (1.9.14p2-1ubuntu1)
  command 'sudo' from deb sudo-ldap (1.9.14p2-1ubuntu1)
  command 'syco' from deb emboss (6.6.0+dfsg-12ubuntu1)
Try: sudo apt install <deb name>
arjon-adill@cis106:~$

```