Week Report 3

Summary of Presentation: The History of Bash linux

Exploring Desktop Environments

- Gnome
- Mate
- Cinnamon
- Pantheon
- KDE
- BUDGIE
- Openbox
- · Deeping DE
- XFCE
- LXDE
- LXQT
- FLUXBOX

Definitions for the following terms: GUI, DE

GUI:

• Graphical interfaces that allows users to interact with the computer in a more visual way using icons, and others graphical effects. Aspects of the de to work as is intended.

DE:

• is a desktop environment thats is implemented, and runs on the top of a gui using it as a layer for abstraction level making the user experience easier.

Bulleted list of the common elements of a desktop environment

- · Desktop Settings
- Menu

- · Display Manager
- · File Manager
- Icons
- · Favorites Bar
- Launcher
- Panels
- · System Tray
- · Widgets
- · Window Manager

The bash Shell

What is a shell?

• to get it simply the shell is the program that takes the commands from keyboard, and gives them to the operating system to perform a task install a program or just Download software.

List different shells

- Bourne shell(sh)
- · GNU Bourne-Again sh
- · C shell
- Korn shell(ksh)
- z shell

List some bash shortcuts (no more than 10 and no less than 5)

- Ctrl + A go to the start of the command line.
- Ctrl + E go to the end of the command line.
- Alt + C Capitalize to end of the word starting at cursor.
- Alt + U make uppercase from cursor to the end of the word.
- Ctrl + F move forward one character.

List basic commands and their usage

- date = Display the current date and time.
- cal = Display a calendar of the current month.
- df = Display the current amount of free space in our disk drives and time/
- free = Display the amount of free memory.
- uname = Display information about your system.
- clear = Display the screen.

Managing Software

Command for updating Endeavor os

sudo pacman -Syyu

```
cis106@cis106-standardpci440fxpiix1996:~
                                                                                               Q ≡
[cis106@cis106-standardpci440fxpiix1996 ~]$ sudo pacman -Syyu
[sudo] password for cis106:
  Synchronizing package databases...
                                    133.3 KiB 333 KiB/s 00:00 [-----] 100%
                                   1543.1 KiB 2.79 MiB/s 00:01 [------] 100%
extra
                                      6.1 MiB 8.30 MiB/s 00:01 [-----
community
                                                                                                 -1 100%
                                     149.0 KiB 392 KiB/s 00:00 [-----] 100%
28.2 KiB 34.0 KiB/s 00:01 [-----] 100%
multilib
                                    149.0 KiB
endeavouros
  Starting full system upgrade...
resolving dependencies...
looking for conflicting packages...
                   Old Version New Version Net Change
Package (5)
extra/bubblewrap
                   0.6.0-1
                               0.6.1-1
                                             0.00 MiB
extra/geoclue
                    2.5.7-4
                                2.6.0-1
                                             0.19 MiB
extra/geoip-database 20220125-1
                               20220222-1
                                             -0.19 MiB
                                            -0.15 MiB
extra/libjpeg-turbo
                   2.1.2-1
                               2.1.3-1
extra/upower
                   0.99.16-1
                               0.99.16-2
                                             0.00 MiB
Total Installed Size: 9.73 MiB
Net Upgrade Size:
                     -0.15 MiB
  Proceed with installation? [Y/n]
```

Command for installing software

sudo pacman -S name of the software

```
cis106@cis106-standardpci440fxplix1996 ~]$ sudo pacman -S libreoffice
:: There are 2 providers available for libreoffice:
:: Repository extra
1) libreoffice-fresh 2) libreoffice-still

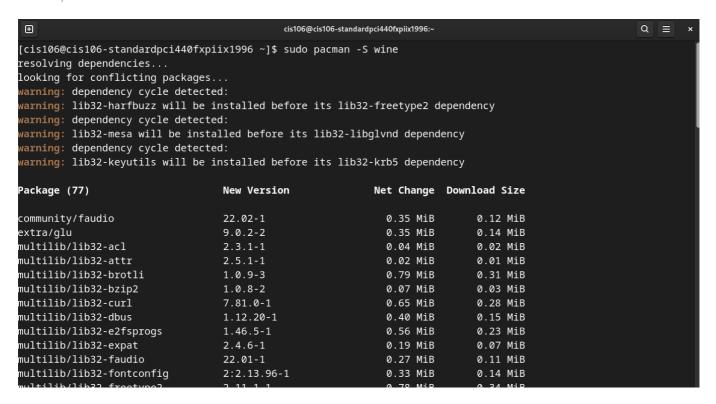
Enter a number (default=1):
```

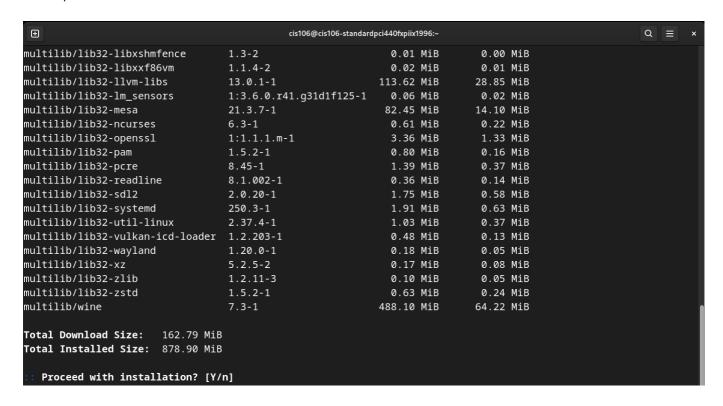
sudo pacman -R name of the sofware to remove



Command for searching for software

sudo pacman -S name of the sofware





Definition of the following terms:

Package

• is the compressed file archive of files that comes with a particular application any installations program can be package to certain distributions and configurations.

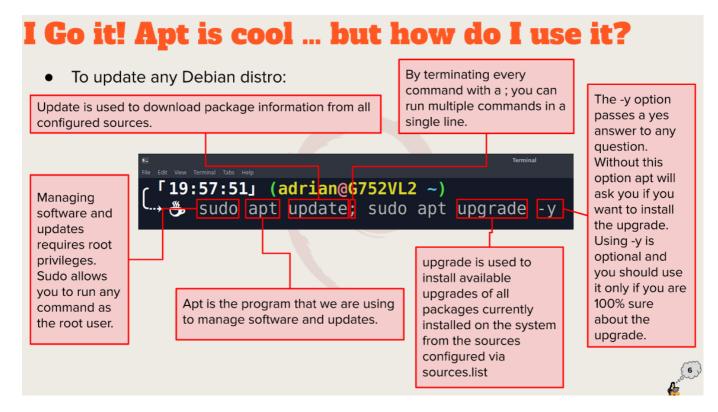
Library

is a collection of pre compile pieces of code called functions. the library contains common functions
and together, they form a package called library and usually the code reuses though the program.
Using piece of code again in the program and saves time.

Repository

• is the location where something is found in significant quantities, and when the meaning is extended in computing is defined as a central location.

Include the screenshot of how to update ubuntu with its explanation (page 6)





In your repository create a folder for cheat sheets and place here the installing software cheat sheet, and markdown cheat sheet.