Week Report 3

Summary of presentations:

Exploring Desktop Environments

- 1. bulleted list of different desktop environments
 - GNOME
 - KDE
 - XFCE
 - MATE
 - BUDGIE
 - LXDE
 - Cinammon
 - OpenBox
 - LXQT
 - Pantheon
 - Deeping DE
 - Fluxbox
- 2. Definitions for the following terms: GUI, DE

GUI: A graphical user interface is a set of programs that allows a user to interact with the computer system via icons, windows, and various other visual elements.

DE: A desktop environment is an implementation of the desktop metaphor made of a bundle of programs running on top of a computer operating system, which shares a common GUI, sometimes described as a graphical shell.

- 3. Bulleted list of the common elements of a desktop environment
 - Desktop Settings
 - Display Manager
 - File Manager
 - Icons
 - Favorite Bar
 - Launcher
 - Menus
 - Panels
 - System Tray
 - Widgets
 - Window Manager

The Bash Shell

1. What is a shell?

A Shell is a program that provides an interface between a user and an operating system kernel.

2. List different shells

- Bash Shell
- Zsh Shell
- Ksh Shell
- Fish Shell
- Csh Shell
- 3. List some bash shortcuts (no more than 10 and no less than 5)

```
Alt + T - go to the start of the command line
```

Ctrl + E - go to the end of the command line

Ctrl + K - delete from cursor to the end to the command line

Ctrl + Y- paste word or text that was cut using one of the deletion shortcuts (such as the one above) after the cursor

Ctrl + C - terminate the command

Ctrl + Z - suspend/stop the command

!! - run last command

4. List basic commands and their usage

```
date - displays the current time and date
```

cal - displays a calendar of the current month

free - displays the amount of free memory

clear - clears the screen

Managing Software

Command for updating ubuntu

sudo apt update; sudo apt upgrade; sudo apt full-upgrade -y



• Command for installing software

```
sudo apt install "package name" -y
```

Install several programs in a single command

sudo apt install firefox flameshot caffeine -y

• Command for removing software

```
sudo apt remove "package name" -y
```

Remove several programs in a single command

sudo apt remove firefox flameshot caffeine -y

• Command for searching for software

```
apt search "package name"
```

Install and remove programs in a single command

sudo apt install firefox+ flameshot- caffeine- vlc+

Definition of the following terms:

Package - are archives that contain binaries of software, configuration files, and information about dependencies. (In Windows, there are commonly . *exe* files)

Think of a package as a box containing all the necessary stuff to install the program you want.



Library - reusable code that can be used by more than one function or program.

Repository - a large collection of software available for download.

• Command for updating ubuntu

```
sudo apt update; sudo apt upgrade; sudo apt full-upgrade -y
```

