Max Clingroth

CSC 120 Lab 06

2. A screenshot of a computer

Description automatically generated with medium confidence

3.

a. Graphical user interface, application, website

Description automatically generated

b. ls provides a view of the files in a directory. The -l gives you the long version, which shows more information about permissions and other metadata for the files.A screenshot of a computer

Description automatically generated with medium confidence

c. The cd command allows you to set the current working directory, which lets you view and manipulate files in that directory.Text

Description automatically generated

d. sudo is a command that when placed before a command, runs it with root privileges. This means that the command will execute regardless of what it is or what permissions it needs.

e. Command used to install software is installText

Description automatically generated

f. Text

Description automatically generated

pwd prints the current working directory

4.

The host operating system is the main OS of a computer that manages the hardware and how the computer works with peripherals. A virtual machine is a separate OS that functions on the computer through software, using the hardware through interacting with the host OS. This allows a computer to run multiple OS’s simultaneously and isolate the changes made to each. Virtual machines are used extensively for cloud development, and allow distant users to host services on communal servers. This allows for more flexibility with allocating disk space and creates more efficient use of server space.

5.

a.

A process in regards to an OS is an instance of a program that is currently running, like a Chrome window or another app. It requires time slices from the CPU to run. The OS handles the different processes running concurrently and tells the CPU which to prioritize and how to switch between them.

b.

Application software is software that runs an application on a computer, like Chrome or any other downloadable software. System software is the programs that tell the hardware how to function and perform different tasks, like an OS.

6.

Text

Description automatically generated

Code in separate file

Extra credit.

Text

Description automatically generated

Code in separate file