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Week Report 3

Question 1: Exploring Desktop Environments

- a. Examples of Linux desktop environments as given in the presentation are:
 - GNOME
 - KDE
 - XFCE
 - MATE
 - BUDGIE
 - LXDE
 - Cinnamon
 - Openbox
 - LXQT
 - Pantheon
 - Deepding DE
 - Fluxbox
- **b.** GUI (graphical user interface): programs that allow the user to use a computer with graphical aspects like icons

DE (desktop environment): programs running on an operating system that share a GUI.

- c. The common elements of a desktop environment are:
 - Icons represents a program or file
 - Panels rectangle areas that can be configured to display various info such as notifications or the time
 - File Manager allows for manipulating files graphically
 - Launcher lets the user search for programs and files
 - Window Manager controls how windows appear on the desktop and manipulates their size, position,
 etc
 - Desktop Settings allows the user to configure the environment
 - Display Manager lets you choose between users and the desktop environment
 - Favorites Bar contains icons and programs that are used often
 - Menus opened by an icon and contain files or sublists of files
 - System Tray allows a user to do system operations like shutdown or logging out
 - Widgets provide information on the desktop

Question 2: The Bash Shell

- **a.** A shell is what allows a user to access and interact with an operating system and its services.
- **b.** Different shells exist such as:
 - Tcsh Shell

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- Csh Shell
- Ksh Shell
- Zsh Shell
- Fish Shell
- c. Some bash shell shortcut commands include:
 - Ctrl + A move to start of command line
 - Ctrl + Y paste text that was cut using another shortcut
 - Ctrl + F move forward a character
 - Alt + B move backward a word
 - Alt + F move forward a word
 - Alt + U capitalize word starting at the cursor till its end
- **d.** Basic bash commands include:
 - !! run last
 - !\$ last word of the previous command
 - !blah run the last command that starts with blah
 - !* run the previous command minus the last word

Question 3: Managing Software

- a. sudo apt update; sudo apt upgrade
- **b.** sudo apt install (name of software here)
- c. sudo apt remove (name of software here)
- d. apt search (name of software or "search term") or apt search -n (name of software) for searching by name
- **e.** Package archives that hold software, config files, and information about dependencies Library code that can be used by functions and programs Repository collection of software that can be downloaded

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f.

