

# Notes 3

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## What is a graphical user interface (GUI)?

- A Graphical user interface are the intractable set of programs with visual elements mainly know for icons, and windows (tabs).

## What is a desktop environment?

- made of a bunch of programs running on top of a computer's os (operating system), which shares a GUI, referred as a graphical shell. All while providing a predetermined look and feel to the GUI.

## What is the command line interface (CLI)?

- CLI are commands typed in an environment called a shell.
- The user response with the computer by inputting commands.
- The shell can be seen as a programming language
- The shell runs the command, shows the output of the command and returns the input back to the user.

## How do I access the command line interface (CLI)?

- Terminal Emulator
- Linux console

## What is a virtual console?

- A terminal session that runs in Linux system memory.

## What is a terminal emulator?

- A program that allows access to the Linux CLI when using the GUI.

## What is bash?

- Bash is a hidden config file located in the home directory called: `.bashrc`

## What is the shell prompt?

- Shell prompt appears when the shell ready to accept input.
- Known to include `username@manchinenname` followed by a active directory and a dollar sign.

## clear

- Clear all commands that were inputted and displayed on the terminal screen.

## echo

- Display a line of text.

## date

- Shows the date and time

## free

- Checks how much free storage there is available in the device.\*\*

## uname

- Print system information.

## history

\*The GNU History library is able to keep track of those lines, associate arbitrary data with each line, and utilize information from previous lines in composing new ones.

## man

- An interface to the system reference manuals.

## tldr

- similar to cheat yet available on APT and keeps a local cache.

## cheat

- Shows a collection of cheatsheets or walkthroughs of programs.

## hostname

- Show or set the system's host name.

## df

- Report file system space usage

## du

- Estimate file space storage usage.

## figlet

- Display large characters made up of ordinary screen characters.