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Introduction to Linux and Terminal Commands

Q) What is a terminal emulator?

A) A terminal emulator is basically a program that will let us use the terminal in a graphical way.

Q) What is a shell?

A) A shell in linux is basically a command line interface that will take all my commands as inputs and convert those to tell the Operating System what ~~to~~ to do basically.
Ex:- Bourne Shell, Bash, etc.

Q) Command to list all the items in the current folder

A) ls

Q) To create a new folder in the current directory

A) mkdir folder-name

Q) Command to change directory

A) cd folder-name/

Q) Command to exit the current directory and go back.

A) folder-name cd ..

Q) What are environment variables?

A) Environment variables basically are just named values that are used to change how the commands and processes and everything are executed.

Q) What is a process?

A) Any instance of a running command ^{will be known} as a process.

Q) echo

A) It is a built-in command in the home bin directory. It is ~~is~~ used to display values and variables in the shell.

Q) Path Environment Variable

A) echo \$PATH

Q) Command to find the location of any .exe file/other files

A) where git → [This is an example.
Instead of git you can write
python or anything else.]

Q) Command to open a folder with its path

A) open /usr/bin → [This is an example.
You can give other path you want]

Note:- Whenever you open a terminal like bash or zsh, ~~or~~ something else like this, few files and commands are executed automatically. These are dependent on the bash shell.

If you are using the bash shell, then you have the .bash file, the ~~.bashrc~~ .bashprofile, .bash-profile and the .bashrc file. These are hidden files.

Q) Command to see the hidden files of the current directory

A) ls -a