

We have installed Windows 10 .

Has a feature ---- WSL = Windows Subsystem for Linux

Downloaded Ubuntu !!!

Control panel Set on/off Windows Feature Windows Subsystem for Linux ---- activated

What are the different that you can have Linux ?

1. Partition the Hard disk physically --- DUAL boot System ----

a.

Partition1	Ubuntu
Partition2	Windows

2. You have a server that runs on Ubuntu

- a. From your windows machine you connect to server using TCP/IP protocol --- PUTTY application
- b. Everybody connects to same ubuntu machine with different login

3. Virtualization and Containers ---- install ubuntu on top of windows as a guest process
You need VMWare or any other virtual box software

4. WSL ----

Ubuntu-Terminal <----commands----->WSL Driver<-----> Windows
Commands

translate to windows

5. Cygwin ---- Simulator software ----it gives the experience of working with Linux on windows !!!

Different Oses have different Command Sets !!

Ubuntu CLI = Command Line Interface , TERMINAL

CMD = will open windows terminal , we see windows prompt .

we can go into wsl and linux prompt by typing wsl command on windows terminal !!!!

Ubuntu = open ubuntu terminal !!!

Observe the prompt !!

Prompt is a place where you type commands !!! No prompt , cannot give commands

What are files , what are the folders !

Linux File System = has only one root denoted by forward slash = / = top most folder

Linux FS = Ext2/Ext3 FS

Windows File System = it has **many** roots = no single topmost folder

C:\ , D:\ , E:\

Windows FS = FAT64 , FAT32, NTFS

cd	change the current directory	cd /
pwd	present working directory	
ls	listing the contents of the current directory	

I want to see the contents of /bin folder , my pwd is /

1	cd to bin folder and I do ls	cd ./bin or cd bin or cd /bin pwd ls
2	I give the path of bin folder to ls commands	

Go to topmost folder and ls	cd / , ls
-----------------------------	-----------

~ sign denotes the name of the home folder !!!!

Every user has a home folder -- we have permission to create destroy files and folders inside this folder

Mkdir	Make directory = create a new folder
-------	--------------------------------------

PATH = directory location

Two types of paths

1. Absolute Path = this always starts from /
2. Relative Path = starts from
 - a. .
 - b. ..
 - c. Directly folder name

HW -----

1	Cd to topmost folder
2	Cd to your username- home folder using relative path
3	Create a folder planets in your ~ folder using relative path
4	Cd to the planets folder using absolute path

5	Create a earth inside the planets folder - using relative path
6	Cd to earth folder using absolute path
	Every time after creating a folder do ls and check
	Every time after cd do pwd