LINUX MODULE -2

**PATH VARIABLE:**

There are two path

1. **Absolute path** :

It is the path established w.r.t. root called Absolute path. It will always starts from the root. **[A/B/C]**

**A** is alwaysroot directory.

cd A 🡪 cd B🡪 cd C this is how we go forward directory

1. **Relative path** :

It is the path established w.r.t. current directory I called Relative path. It will start from current directory. **[../../..]**

**cd .. 🡪** this is how we go the backward from directory

(.) 🡪 Current Directory

(..) 🡪 Parent Directory

**PROCESS STATE IN UNIX:**

1. **Running** 🡪 process is running or ready to run.
2. **Waiting** 🡪 process is waiting for the resource.
3. **Stoping** 🡪 process has been stopped
4. **Zombie** 🡪 process is stopped but not remove from process table.

**FILE SYSTEM**

It is divided in to 3 categories:

1. Ordinary file
2. Directory file
3. Device file

**STEPS TO FOLLOW WHILE OPENING LINUX:**

Once the installation VMworkstation is done, open virtual machine

Click on **power on this virtual machine**

You will get **vm**ware which will load for some time, depend on the local system.

[NOTE :- recommended to have 8 GB ram]

After a while, you will get rose color screen

Open the terminal, shortcut to open the terminal is click ctrl+alt+t simultaneously.

user@ubuntu:~$ this is what you get on the screen.

The command to check the current Directory pwd hit Enter

/home/user

**NOW, WE WILL LEARN TO CHANGE THE DIRECTORY OR FOLDER**

**1) If you want change your directory**

Command: cd Desktop

Before:

user@ubuntu:~$

Output:

user@ubuntu:~/Desktop$

**NOTE: Linux is case sensitive so careful with the letters**

If your by mistakenly type desktop instead of Desktop you will get error as shown below:

Command: cd desktop

bash: cd: desktop: No such file or directory

**2) Again if you check the path**

Command: pwd

Output:

/home/user/Desktop

**if you want to come back from Desktop**

Command: cd ..

Before:

home/user/Desktop

Output:

/home/user

**If again if we type**

Command: cd ..

Output:

/home

**3) If you want to toggle between the directory**

Command: cd ~

Before:

/home/user

Output:

/home/user/Desktop

Before:

/home/user/Desktop

Output:

/home/user