Session - 8

ques: In the Python list datatype, if we have nested item, so we want to get only particular column? I would like to achieve this from list only, don't use loop?

sol) For getting particular columns, we have to make this list as numpy array after that we can use slicing as below:

List1 [:1:2] → here 1 and 2 are starting and ending range of columns those are to be printed.

Linux O.S

→ Package:

User
↓
[O·S]

Devices

(Driver → Program,
file)

As a user only 2 things that you can use:
- → file → text / image / video
- → folder (directory) → folder / Drive

Mainly 99% directory comes from Any **software**

What is Software?

Software is a set of instructions, data or programs used to operate computers & execute specific tasks.

{ Software == Package

O·S → Multiple Software.
→ group of packages / Softwares

file   folder

Note: Linux never ask the installation location of any software & every software install in linux in multi / Different-different location.

here roles of Package Managment comes out

In Radhat this is known as [RPM] (Radhat Package Manager / Management)

this is also a command to install / delete / query for software.

> [rpm -q] vlc → this is used for query, here we are check is vlc available in our system or not.

eg. > rpm -q vlc   > rpm -q Python3
> rpm -q firefox.

> `rpm -q -a` → this shows all the available / install software in your system

> `rpm -q -a | grep python` → using this command, we can check any specific software that is available in our system or not

if we think every command is a prog. & every prog. has some software, so where is it software stored or where from it come.

date ←
    ↳ Program file
        ↳ Path

} > `Which date` it shows where the date command or it's program stored.

> `rpm -q -f 'which date'` this command will tell you the 'name of software' which gives you date command.

> `rpm -e firefox` this command is used for unistall the software.

fore re-install this software we have 3 ways.

a. using yum command
b. using Internet and diret download
c. if you have software just exhact it
    ↳ DVD Rednat ← (Softwre kit)
       ↳ (iso file)   ↳ firfox
              ↗ Argunment

> `rpm -i software-Name` → software install from this. but it doesn't show background process for this

or

> `rpm -i -v soft.Name`

or

> `rpm -i -v -h soft. Name`
    ↳ these are the options/switch

> `ls -l abc.txt` → it shows the long list of file

> `ls` → only shows the names of file

> `man rpm` → it shows the manual of particular command / syntex.

> `rpm -q -i coreutils` → It shows/gives the brief information about the softwore & also show the url of source code

  query install

> `eog Image-Name` → to see the image inside your terminal, if you have image location

ques: how to change logo of firefox with your photo

sol
> rpm -ql firefox | grep firefox-png
> copy your image from your location to-
  usr/share/icons/hicolor/256x256/apps.
      or use
> $ sudo cp file name to us/share/icons/hicolor/256x256/apps
> $ mv -f (your filename) firefox.png

Now restart your computer and logo will be change