Python - Module 3: Python Installation and Setup

Python

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Video: Installation and Setup of Python

Hello everyone, SMI here.

Welcome to the Python session today.

I will guide you through the Python

installation and the setup.

Okay, so let's move to the installation.

So in your pro, just type Python.

Okay, so Python dollar we are getting right,

let's click that one.

You are getting a official website on top only This one,

ww python org G, we have to click this one.

So here you can select, select

what are the version you need.

Otherwise you can select the latest version by Defaultly.

We are getting the latest version.

You can download that latest version.

So now we have a latest version

of the Python is three point 13.3.

Okay, just click on this.

Uh, download Python three point 13.3.

If you're seeing, it'll download here. Okay, it's completed.

Let me see in the folder.

Okay, so just double click on these things.

This will be available 11, file Explorer. Okay,

you have to select these two things.

Use admin and add Python point EX, C to path.

After this, you have to sell this custom installation here.

Make clear all these check boxes as to build up. Okay, next.

And if you want you can sell it any one times.

If you want any, anything you can uh, choose in a path.

Otherwise you can use this by default pattern.

So it'll be stored in C drive in a users,

you have to click S.

So it's starting installation,

it'll be take little bit of time.

So it's uh, successfully completed that green bar.

So set up also successfully completed, just close.

Now we have to check whether the Python is installed

successfully or not in our system.

So how can we check that one?

Ms, just type in your search bar command prompt.

Here you can see the command prompt, right? Open this one.

So to check which version of Python you installed is

that Python is installed

or successfully in laptop, just type Python

space hyphen version.

Yeah, so we got Python three point 13.3, right?

So this is the latest version.

We downloaded the same version. It's fine.

Now how to run a Python code

or how to execute a Python code in never command prompt.

I will show you now just to type fee Y.

Okay, so I'm writing a basic line of code.

Hello? So it has to print D. Hello.

So here you can see, let me show you another basic one.

A equal to 10 B, equal to 10

B equal to A plus B.

Okay, so I'm printing C Here we got answer 20

A is a 10, B is a 10, 10 plus 10 20.

That will be goal two C, right?

So like this way we can uh,

execute our Python code directly from the command prompt.

If you have a Python in a local system

and the next we can have this id ld also,

if you want some specific night, uh, white notebook here,

you can run your Python code.

Yeah, ideally shell, so here you can see

what is the version we installed.

So same thing how we did in a command prompt.

Like that way we can do here also.

Okay? So like this way equal to can, I'm giving

print a,

Okay, fine.

So let, let me,

so like this way you can uh, you can do all these things.

Okay?

So like this way you cannot do same thing

what we did in a command room.

Same thing in it ideally also. Okay fine.

So we completed our Python installation and setup.

Now we'll move to the Anaconda installation.

So Anaconda also plays a very important role when we are

dealing with the Python things further.

I'm again going to Chrome. I'm typing Anaconda download.

So here we are getting the official website of the Anaconda

for download purpose ww anaconda.com.

So here you have to do skip registration, okay?

If you're giving a mail id, it's not a problem.

Better go with this Skip registration.

Then you have to sell it Mac window or Linux. Okay?

So I'm selecting the window.

If Mac means you can sell it here.

So let's see. So it'll take a little bit time.

We will wait for that. So Anaconda is a platform.

In this platform. We will get all this uh, spider R Studio

and the Jupyter Notebook.

All these things related to the IDs

and notebooks of the Python.

We will get all these things in it. Anaconda platform.

So if you install the Anaconda platform,

we will get all these things at a time in our system.

We don't need to install anything separately,

just we need to install Anaconda.

Okay? So successfully we are done with this installation.

Let's wait for a few minutes.

Has to show the folder icon, then it'll be done.

Okay, so now it's completely done.

I'm clicking again, this will showing a folder here.

You can see we got Anaconda. So double click on this.

So click on this next.

Then you double click on the Anaconda and your file manager.

You will get the popup like this here.

You have to click next here.

You can read this Terms and condition. Just click. I agree.

This is a your recommendation.

If you want to install for just you, you can use all users.

Means you can use all users.

I'm selecting for me, just me, okay?

So as like, uh, in a Python,

I already told you if you want to select any specific path

to store the Anaconda system, you can browse

and you can select that path.

Otherwise, it's a by default please stored in the C drive

and the users next.

Okay, so, okay,

so I'm selecting here normal C Drive.

Let me create one uh, folder in this C drive.

Yeah, make new folder

moving.

Okay.

Okay, so now you can select this first and second one.

So these two, uh, sorry, first

and third one, these two check boxes is a compulsory

remaining thing is based on your computer

and based on your requirements you

can select out that check boxes.

So let's wait for some time, it'll take a little bit time.

So we completed the Anaconda installation also just click on

this next,

next finish.

Just wait a

second problem.

Close this one. Now open error

search bar type and Aconda.

So click this navigator,

it'll open a little bit time.

They can process this one.

If you're seeing like this green image, then it's uh,

successfully installed

and uh, it'll be open in a few minutes.

So successfully completed.

Now, now you can

launch or you can install a Jupyter Notebook

and uh, all these things.

Okay, so this is about Anaconda.

You cannot try the Jupyter Notebook.

All these things from this Anaconda, Jupyter Lab,

all these things, uh, you can, uh,

see in the Anaconda platform.

Now you will see the how to give a extension of Python

to our VS code.

So if you don't have a VS code, just go

to Chrome five vs.

Code download.

So if you're seeing a this thing, right, download vs code.

If you click on this, it'll sell it

like you can select select Windows, Mac, or Amex.

After this, it'll be installed in your

local system successfully.

So I already installed that one. Let me show you.

Okay, so this is a web vs code.

Let me, let me go to first this extensions

pick one on the here you have to select it Python.

So I'm searching for the Python.

So now we don't, uh, we not give access

to our visuals to go with Python.

If you want to write a Python code, if you want

to execute a Python code

or Python files in this VAs code, you need

to add an extension first.

So this is the extension for the Python.

Just to click on this Python first one you will see here

Python, Python extension for Visual Studio code.

Just click on this install

click python debugger also automatically installed

successfully, uh, successfully extension completed.

Python extension.

How to check whether it is completed or not.

Miss, just go

to this one

You can select go to file

file here you can select Python.

If your installable Python enable local system,

then only you can get this option like this.

Okay? After the installation, also you have

to give extension of Python in code.

Then only you can get this Python file or Jupyter Notebook.

We already know Jupyter Notebook, right?

In previous Anaconda we already saw the Jupyter Notebook.

So if you want to uh, do anything in the Jupyter Notebook,

just simply you can click on this launch button.

It'll redirected to the Jupyter Notebook.

Otherwise go to the search bar.

You can type Jupyter Notebook

and you can open this Jupyter Notebook.

Okay, fine. So let's move

to the via code file.

New file. I'm selecting Python file.

Let me write a code.

Okay, so now, and run this one.

It'll ask to save.

Okay, so here you can see it's extension saving

with the dot p.

If you're seeing any extension with the file, having p,

that will be under the Python file.

So let me run this one. Yeah.

Hello. So we are getting the output

here in this term, right?

So this is all about the Python installation,

Anaconda installation in that Anaconda we saw this.

So many things like an conduct on the no two

Jupiter Labs Spider.

And if you want Anaconda prompt also you can search here

Anaconda prompt.

Okay, so you can uh, take this Anaconda prompt also,

you can get that Anaconda prompt.

Next we saw the V code

and uh, how to give extension

of the Python in this V code also.

So that's it guys for this session.

So we successfully completed the Python installation

and installation and vs code installation

and this setups also.

Okay, so in upcoming session we will discuss about the

data types in Python.

Thank you.