



# Installing Python

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# Ways to Python installation

There are two main ways to install Python

Method 1: Using Anaconda (Recommended)

Method 2: Downloading python from the official site and installing Jupyter after

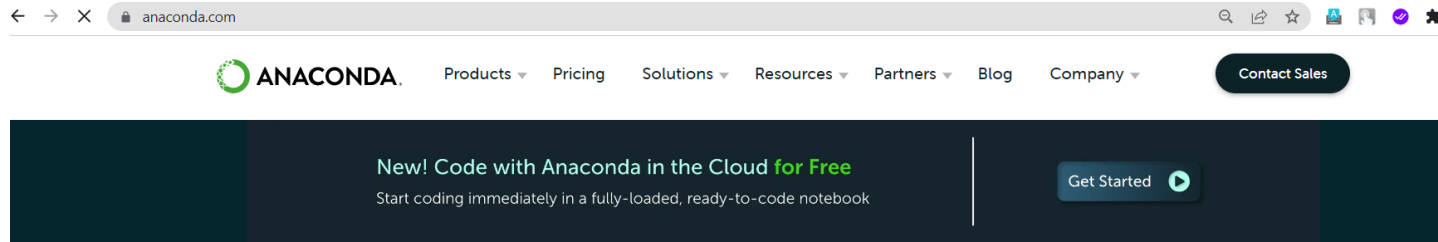
In this presentation, I will explain both methods of installation so that you can choose one of them

# Method 1

**Using anaconda**

# Step-1: Download

Navigate Official sites of anaconda website : <https://www.anaconda.com/>



## Data science technology for a better world.

Anaconda offers the easiest way to perform Python/R data science and machine learning on a single machine. Start working with thousands of open-source packages and libraries today.

Download

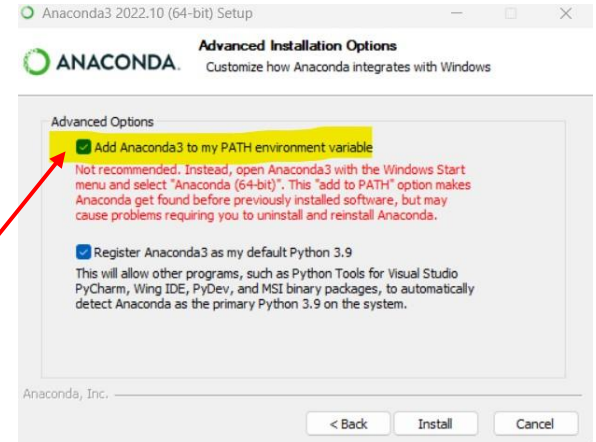
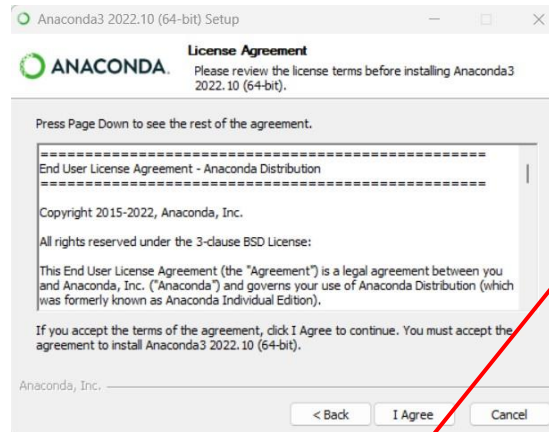
For Windows

Python 3.9 • 64-Bit Graphical Installer • 621 MB

The file size is about 621 MB, so it may take some time to download depending on your

# Step-2 : Install

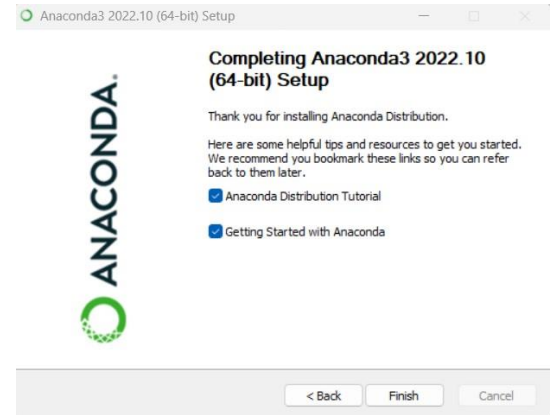
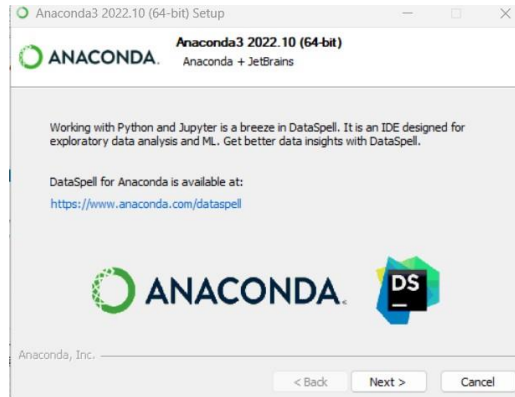
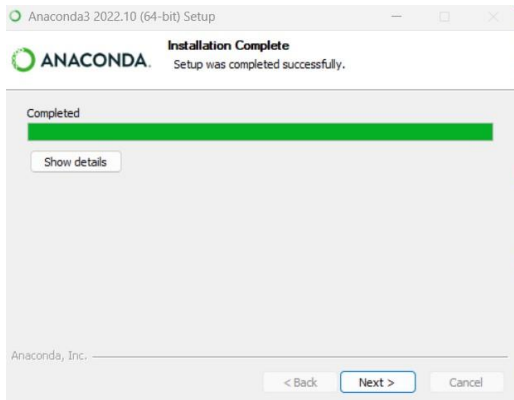
Install the downloaded



**Important: Please check add anaconda3 to my PATH environment variable**

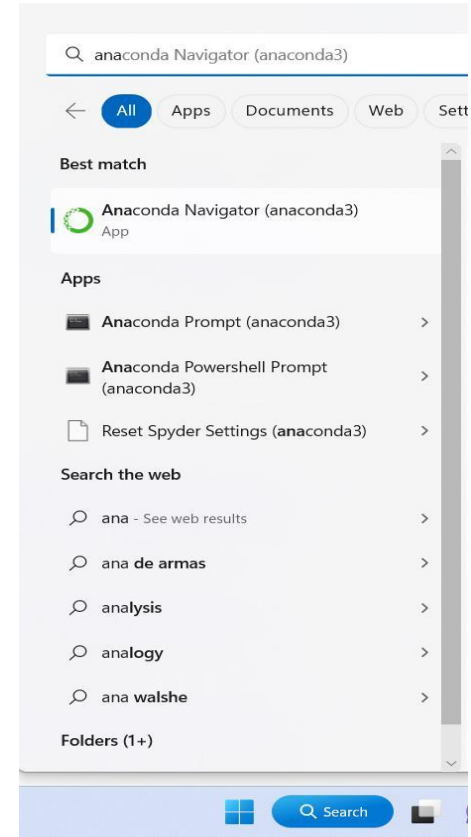
# Step-2 : Install

Install the downloaded



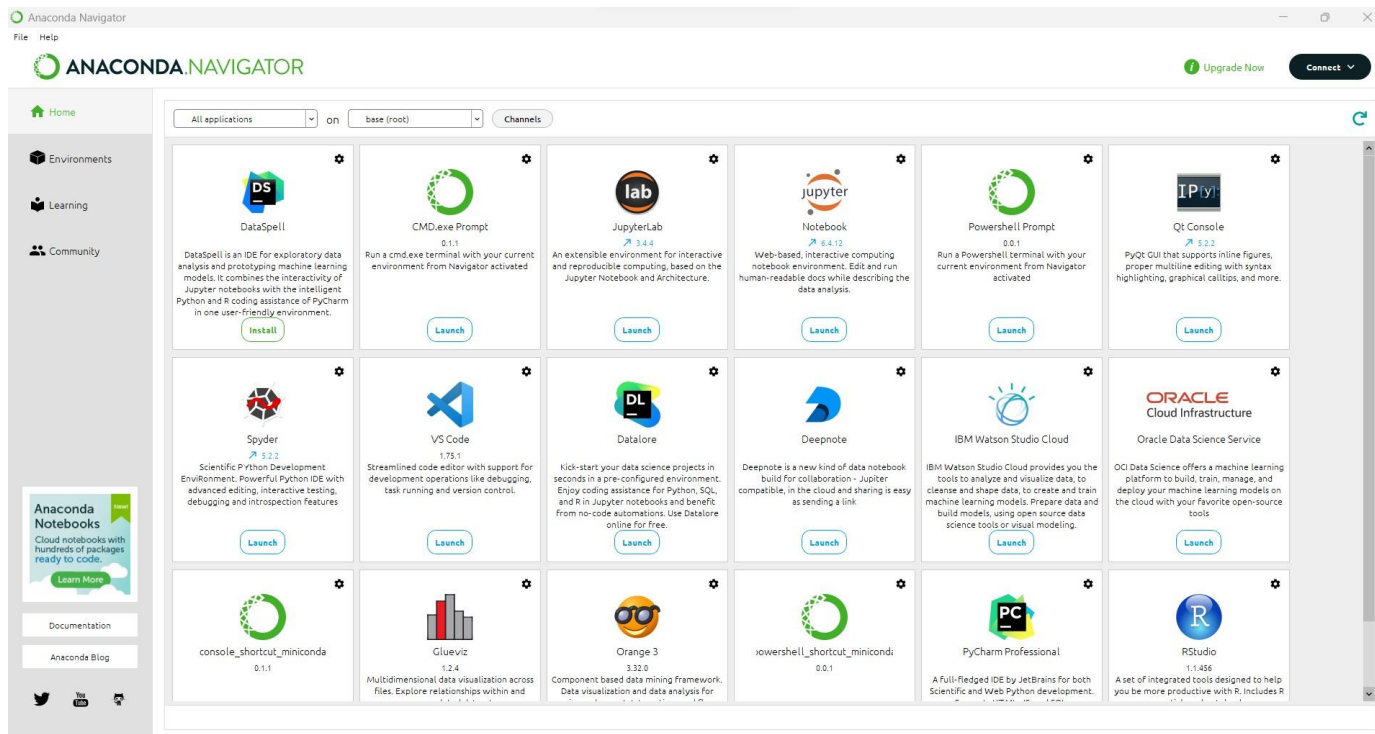
# Step-3: Verify Installation

- Go to the search and type 'Anaconda'. Anaconda Navigator should appear in the search results
- Click on it



# Step-3: Verify Installation

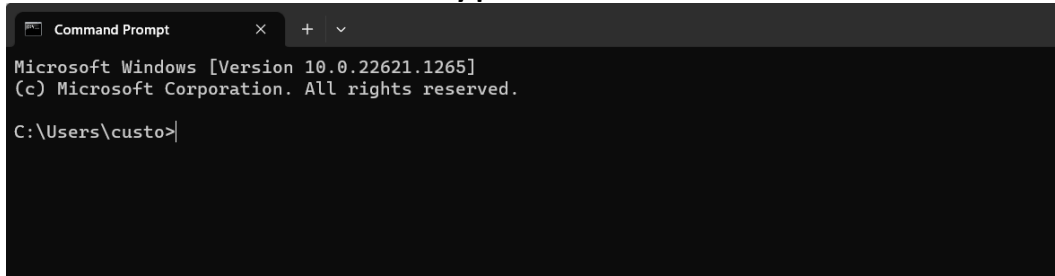
The output should look like this





# Another method of verification

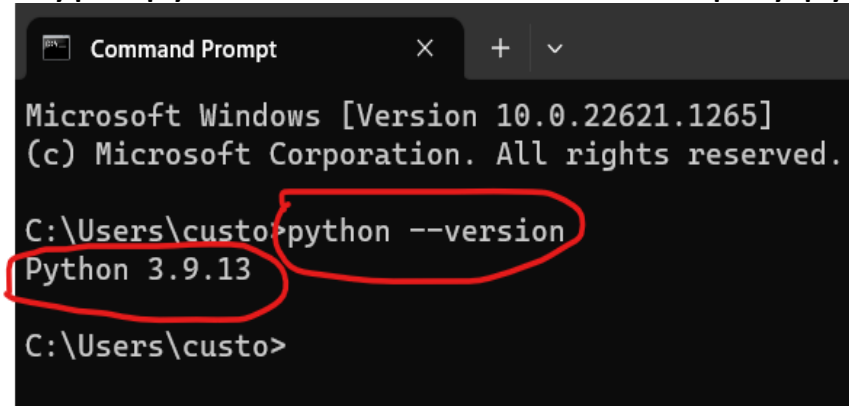
- Go to the search and type 'cmd'. And click enter the following box will appear



```
Command Prompt
Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.

C:\Users\custo>
```

- Type 'python --version', this will display python version



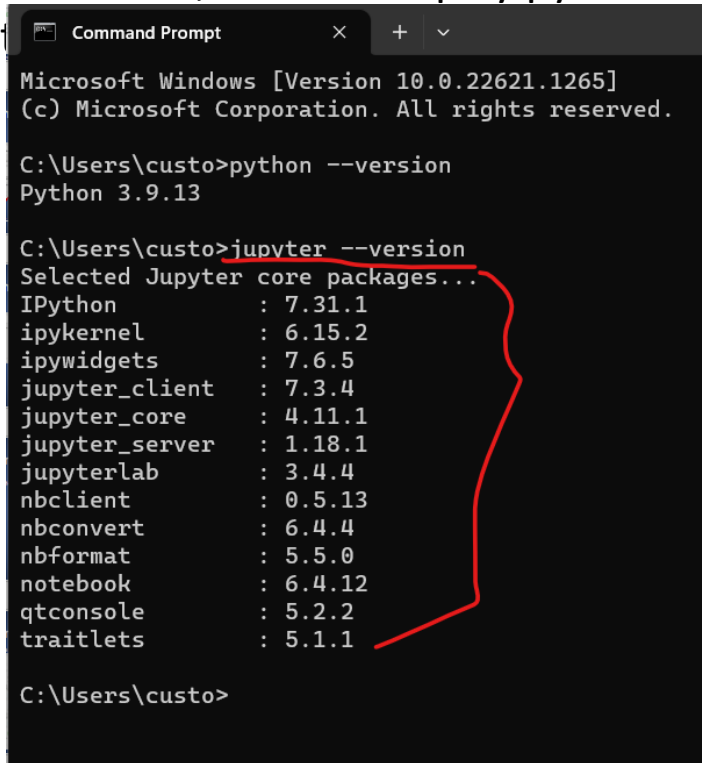
```
Command Prompt
Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.

C:\Users\custo>python --version
Python 3.9.13

C:\Users\custo>
```

# Another method of verification

- Type 'jupyter --version', this will display python version to ensure the jupyter is install correct



```
Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.

C:\Users\custo>python --version
Python 3.9.13

C:\Users\custo>jupyter --version
Selected Jupyter core packages...
IPython          : 7.31.1
ipykernel        : 6.15.2
ipywidgets       : 7.6.5
jupyter_client   : 7.3.4
jupyter_core     : 4.11.1
jupyter_server   : 1.18.1
jupyterlab       : 3.4.4
nbclient         : 0.5.13
nbconvert        : 6.4.4
nbformat         : 5.5.0
notebook         : 6.4.12
qtconsole        : 5.2.2
traitlets        : 5.1.1

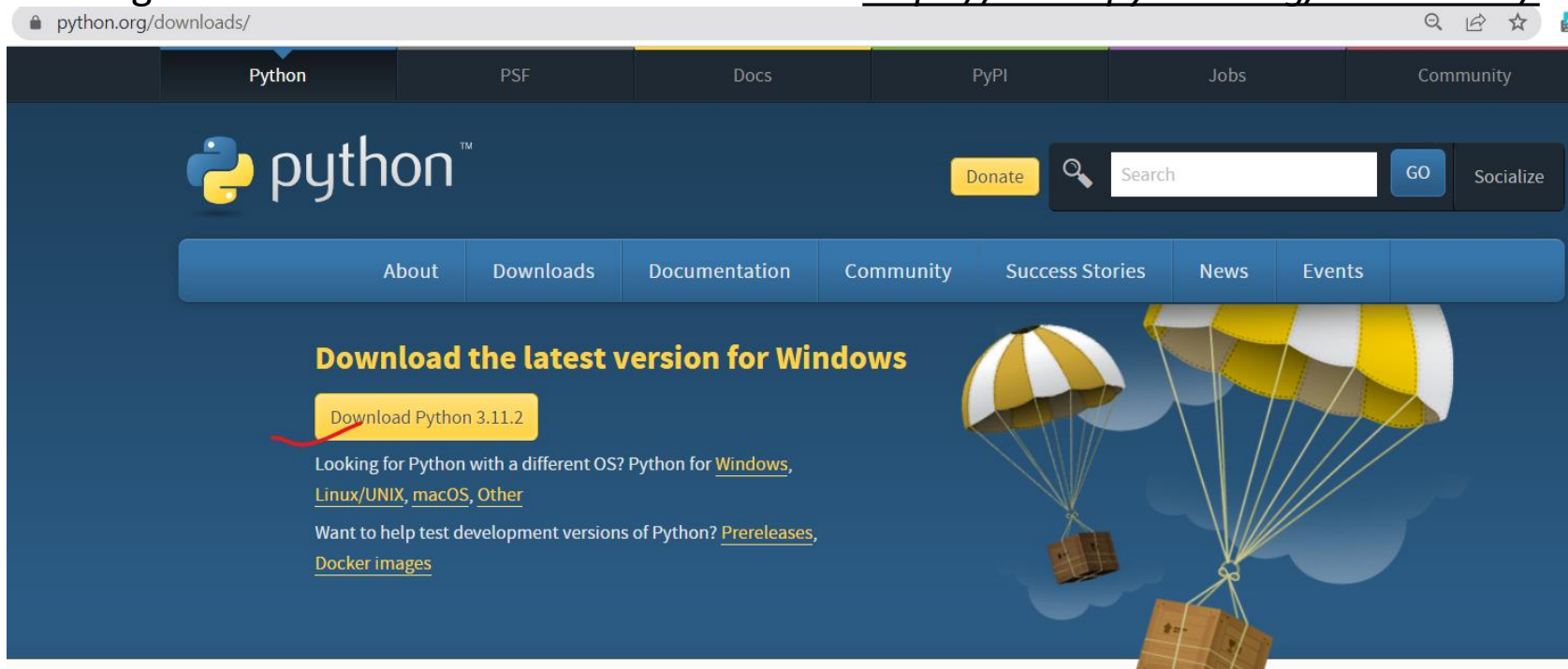
C:\Users\custo>
```

# Method 2

**From Python official website**

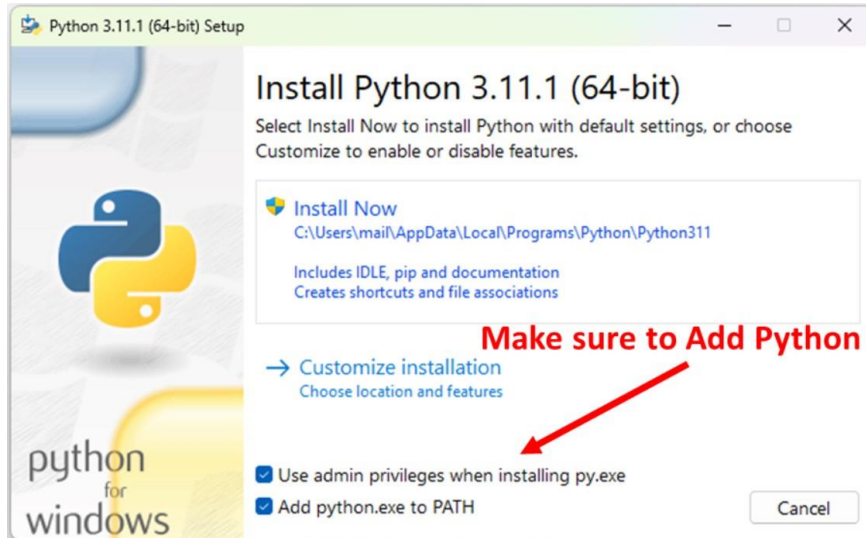
# Step-1: Download

Navigate Official sites of anaconda website : <https://www.python.org/downloads/>



# Step-2 : Install

Install the downloaded



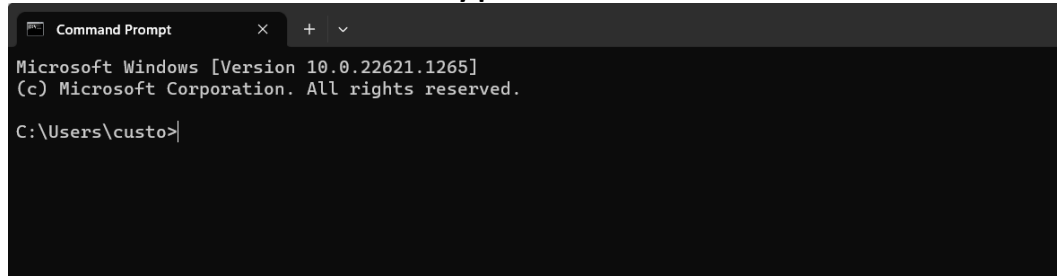
Make sure to Add Python to PATH



**Important: Please check add python.exe to PATH**

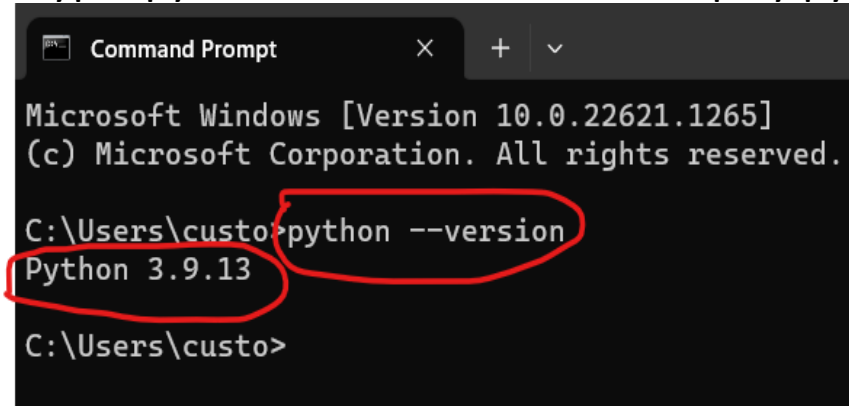
# Verification

- Go to the search and type 'cmd'. And click enter the following box will appear



A screenshot of a Windows Command Prompt window. The title bar shows 'Command Prompt' with standard window controls. The text inside reads: 'Microsoft Windows [Version 10.0.22621.1265] (c) Microsoft Corporation. All rights reserved. C:\Users\custo>'. The prompt is at the end of the line.

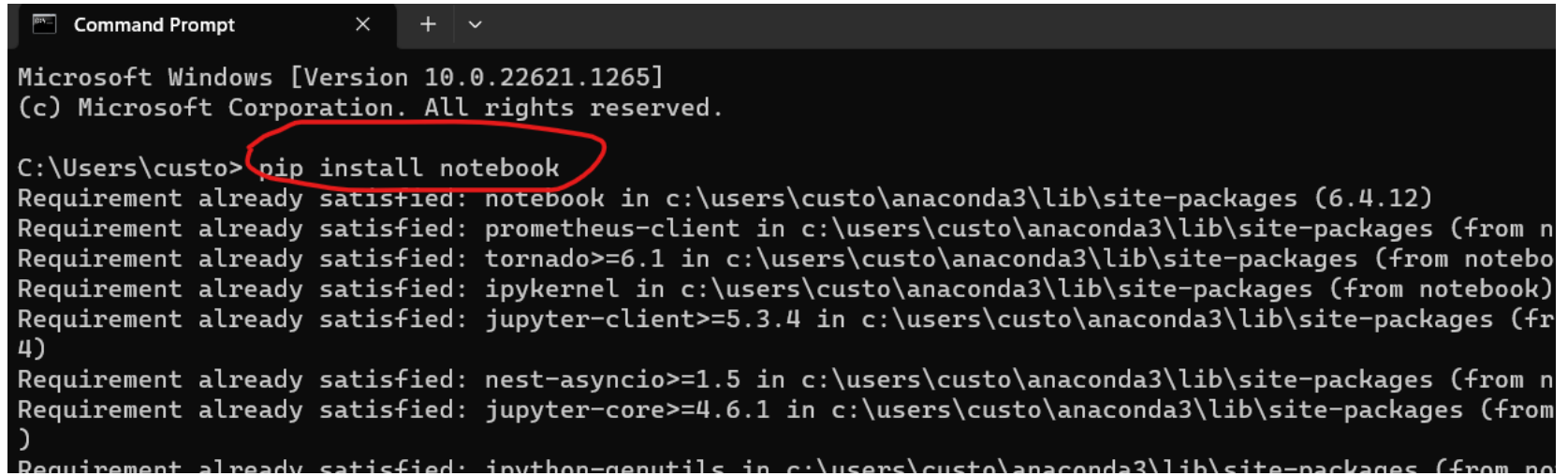
- Type 'python --version', this will display python version



A screenshot of a Windows Command Prompt window. The title bar shows 'Command Prompt' with standard window controls. The text inside reads: 'Microsoft Windows [Version 10.0.22621.1265] (c) Microsoft Corporation. All rights reserved. C:\Users\custo>python --version Python 3.9.13 C:\Users\custo>'. The command 'python --version' and its output 'Python 3.9.13' are circled in red.

# Install jupyter

- Type '*pip install notebook*', in CMD



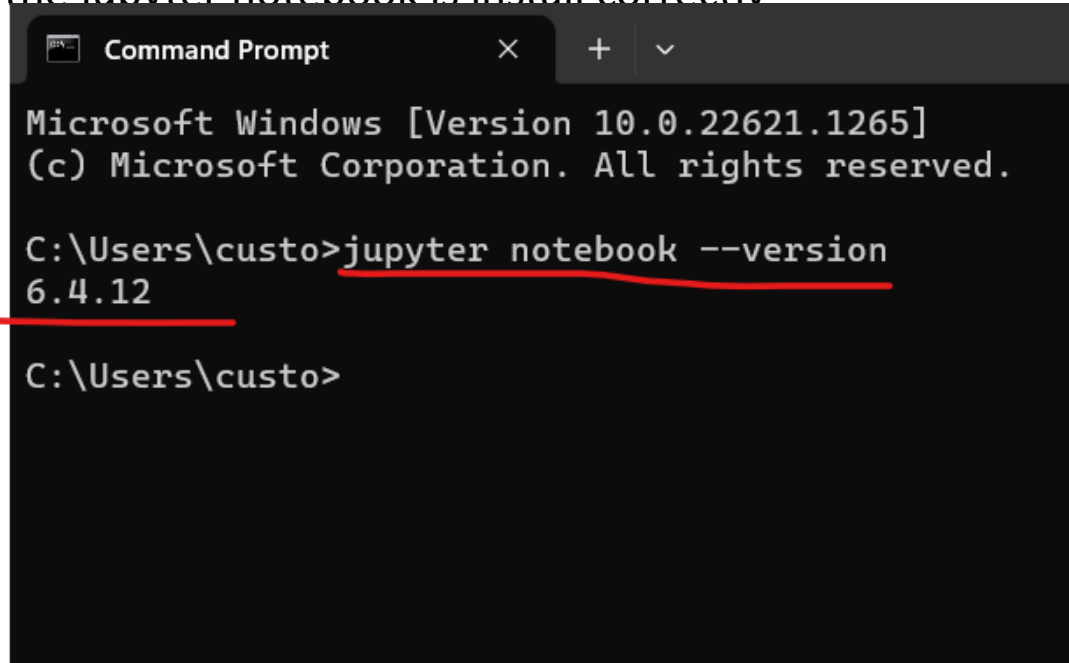
```
Command Prompt
Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.

C:\Users\custo> pip install notebook
Requirement already satisfied: notebook in c:\users\custo\anaconda3\lib\site-packages (6.4.12)
Requirement already satisfied: prometheus-client in c:\users\custo\anaconda3\lib\site-packages (from n
Requirement already satisfied: tornado>=6.1 in c:\users\custo\anaconda3\lib\site-packages (from notebo
Requirement already satisfied: ipykernel in c:\users\custo\anaconda3\lib\site-packages (from notebook)
Requirement already satisfied: jupyter-client>=5.3.4 in c:\users\custo\anaconda3\lib\site-packages (fr
4)
Requirement already satisfied: nest-asyncio>=1.5 in c:\users\custo\anaconda3\lib\site-packages (from n
Requirement already satisfied: jupyter-core>=4.6.1 in c:\users\custo\anaconda3\lib\site-packages (from
)
Requirement already satisfied: ipython-genutils in c:\users\custo\anaconda3\lib\site-packages (from no
```

It may take some time to install depending on your internet speed

# Another method of verification

- Type in CMD '*jupyter notebook --version*', this will display python version to ensure the jupyter notebook is install correctly



```
Command Prompt
Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.

C:\Users\custo>jupyter notebook --version
6.4.12

C:\Users\custo>
```



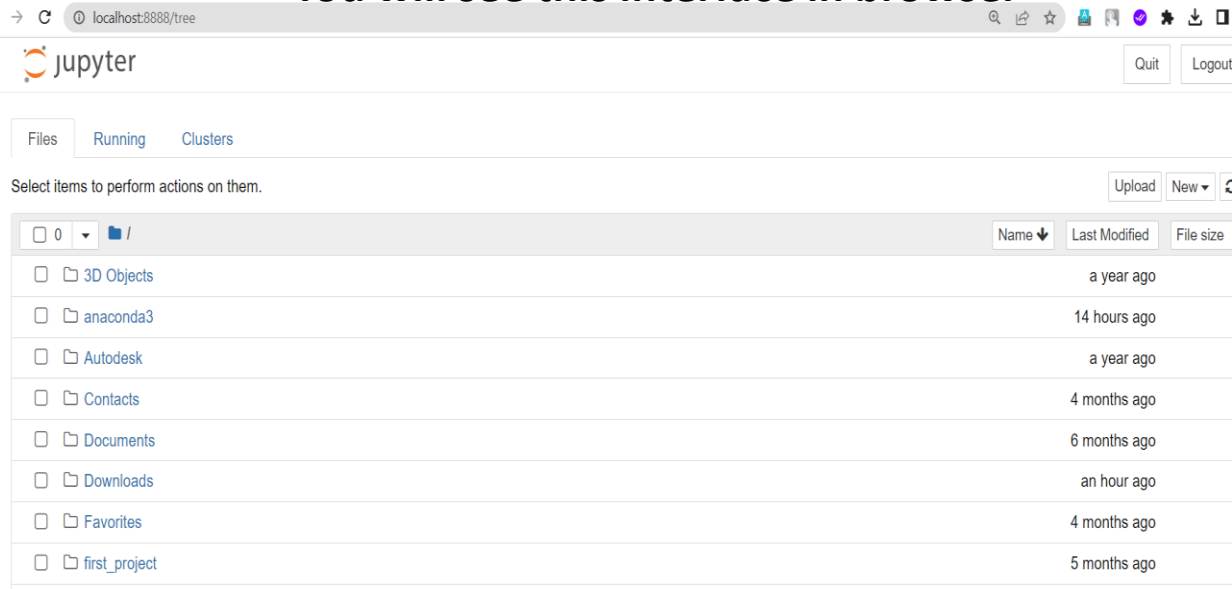
# To Open

- Type in CMD '*jupyter notebook*', this will open jupyter notebook in browser

```
Command Prompt - jupyter r x + v
Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.

C:\Users\custo>jupyter notebook
[I 2023-02-25 09:19:04.679 LabApp] JupyterLab extension loaded from C:\Users\cu
b
[I 2023-02-25 09:19:04.679 LabApp] JupyterLab application directory is C:\Users
[I 09:19:04.695 NotebookApp] Serving notebooks from local directory: C:\Us
[I 09:19:04.695 NotebookApp] Jupyter Notebook 6.4.12 is running at:
[I 09:19:04.695 NotebookApp] http://localhost:8888/?token=84a13456a827f516
[I 09:19:04.695 NotebookApp] or http://127.0.0.1:8888/?token=84a13456a827
[I 09:19:04.695 NotebookApp] Use Control-C to stop this server and shut do
[C 09:19:04.726 NotebookApp]
```

You will see this interface in browser



# Done!

We will revise it till the installation complete