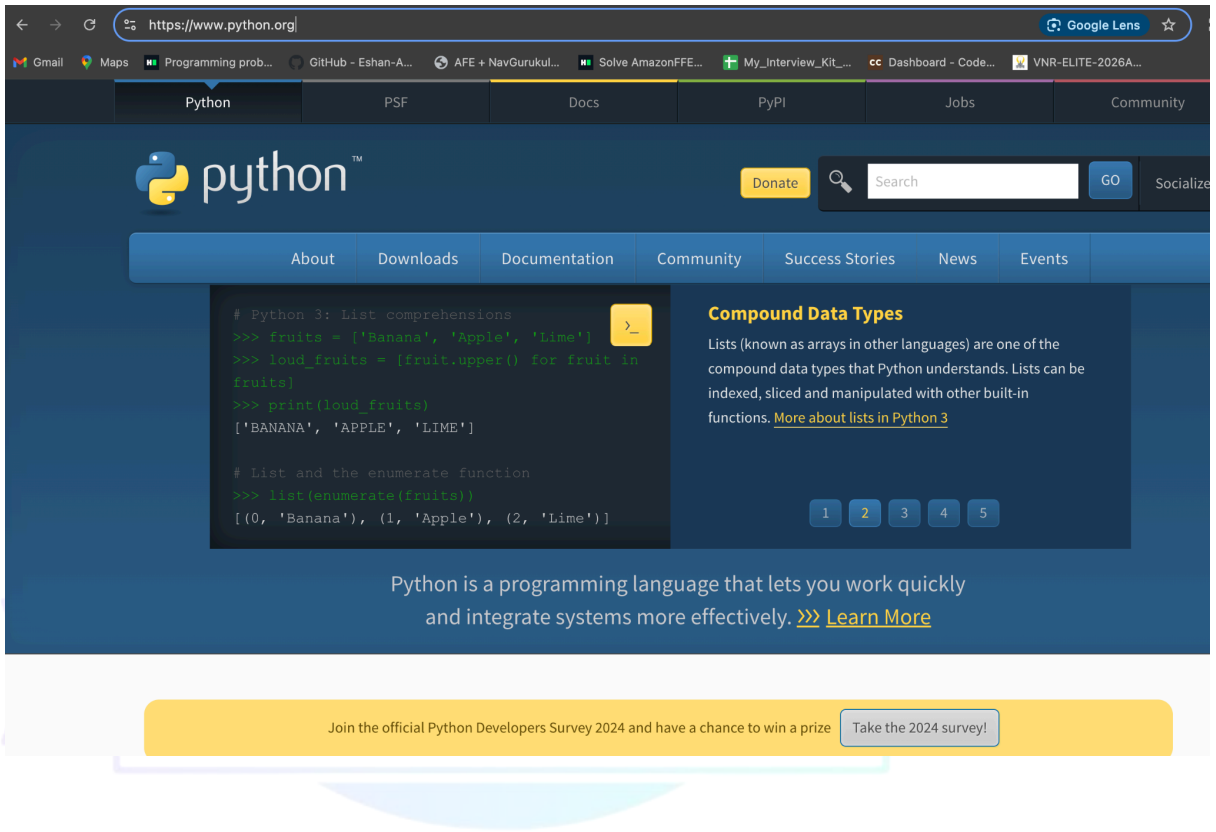
Python Installation Guide

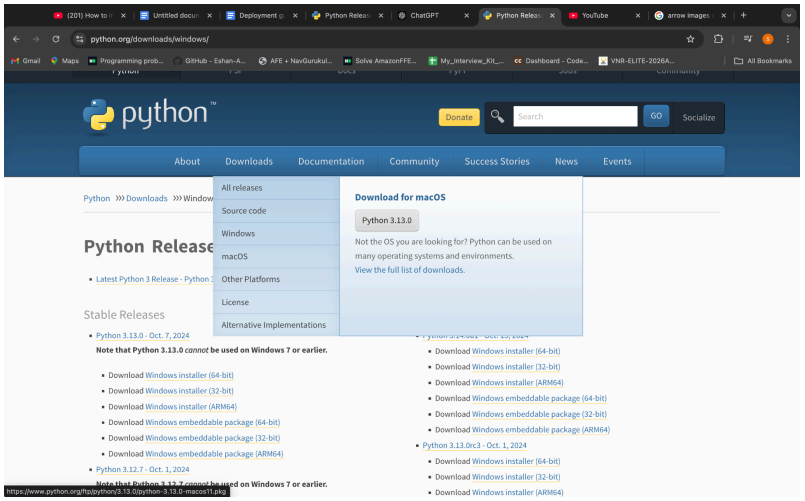
1. Installing Python on Windows

Step 1: Download the Python Installer

- Open your web browser and go to the official Python website: python(or by typing python in the web browser and open the first link)
- You will get redirected to this page.

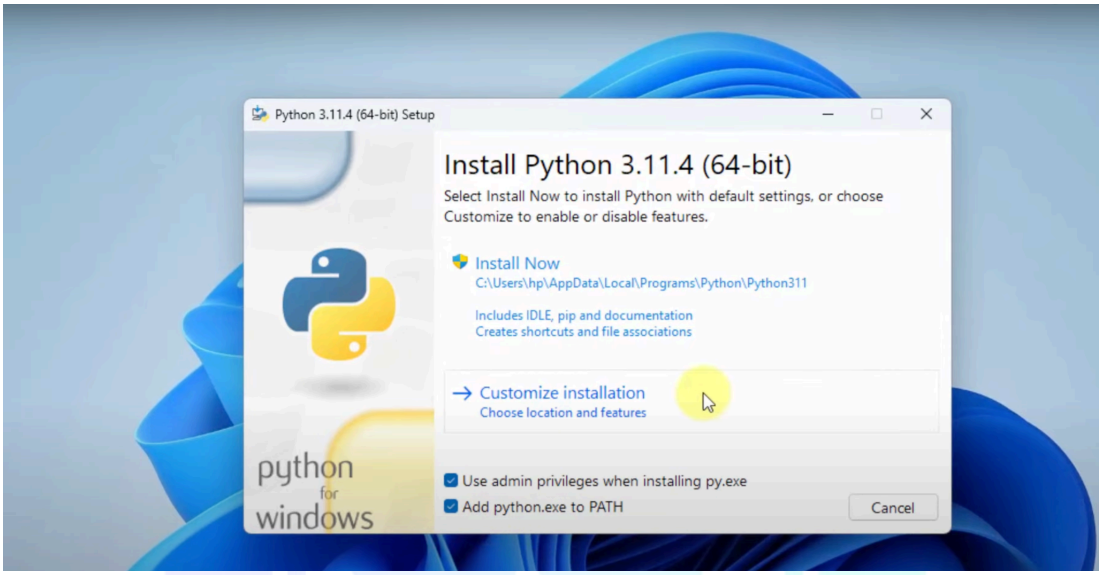


- You will see a button to download the latest version of Python (e.g., Python 3.13.0). Click the button to download the installer.

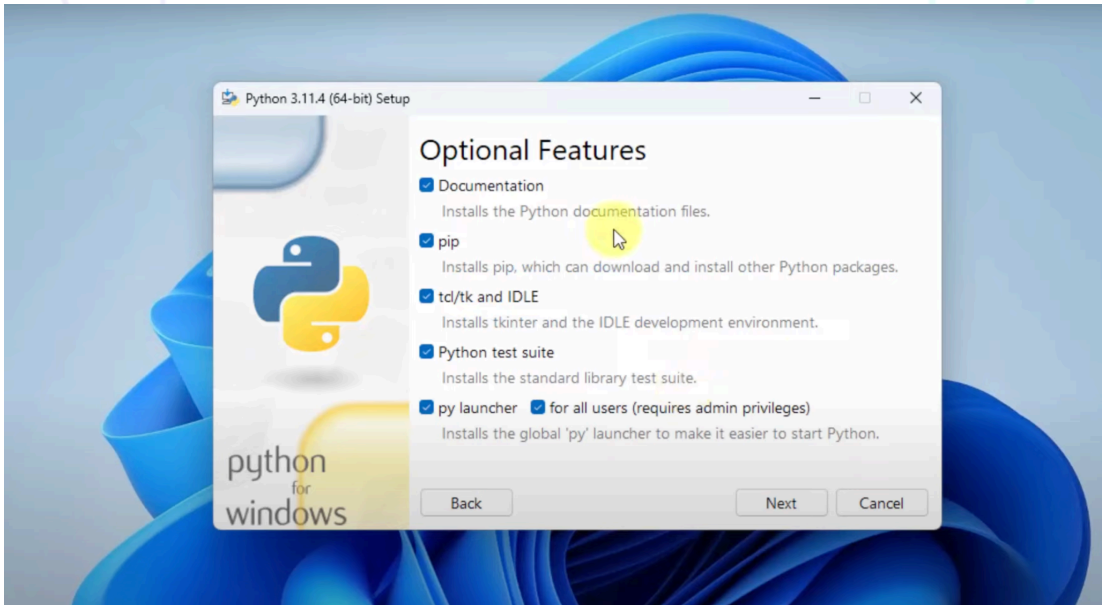


Step 2: Run the Installer

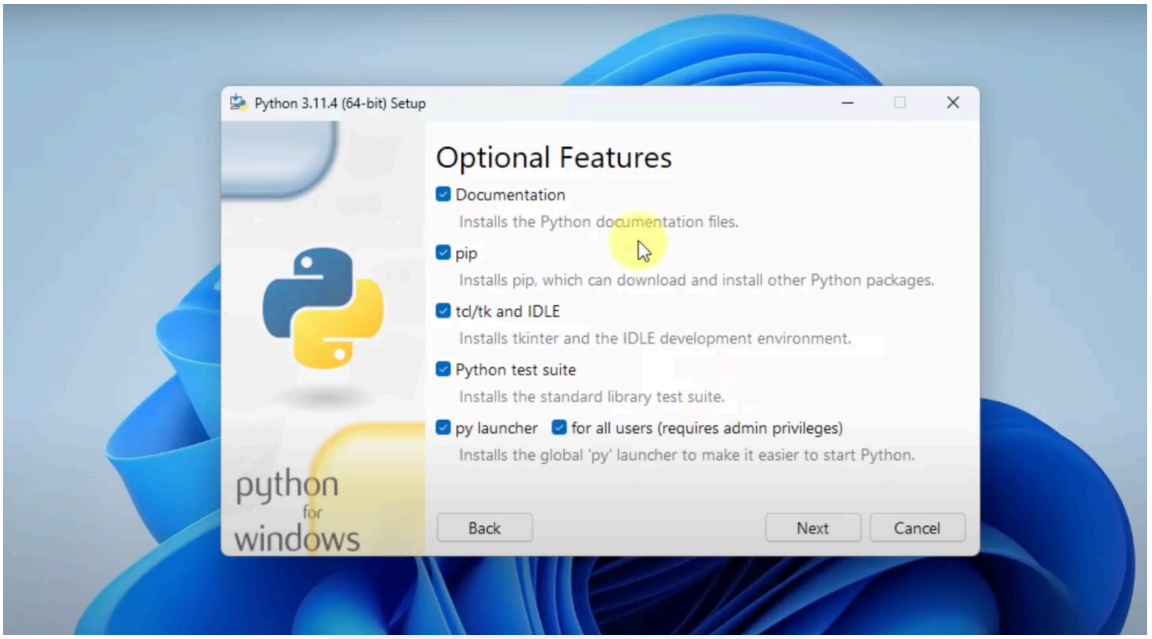
- Once the installer is downloaded, double-click on the `.exe` file to run it.
- On the first screen of the setup, make sure to **check the box** that says **“Add Python to PATH”**. This is crucial, as it allows you to run Python from the command line without needing to specify the full installation path.



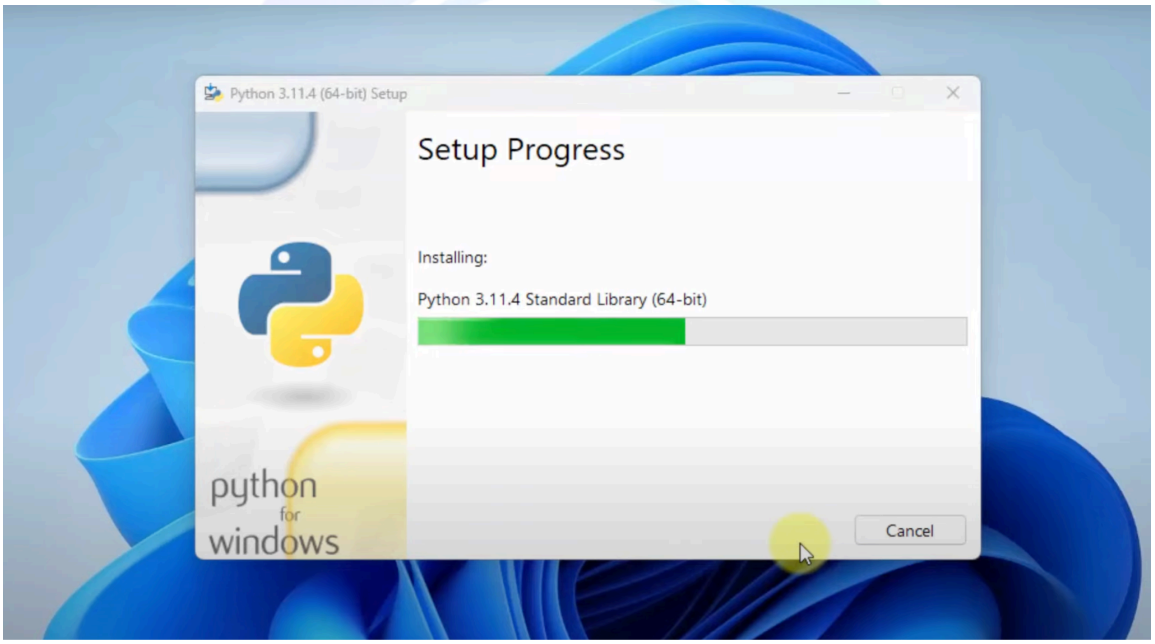
- choose **"Customize installation"** so that we can know what we are installing.



- Keep all checkboxes as selected and click “**next**”.



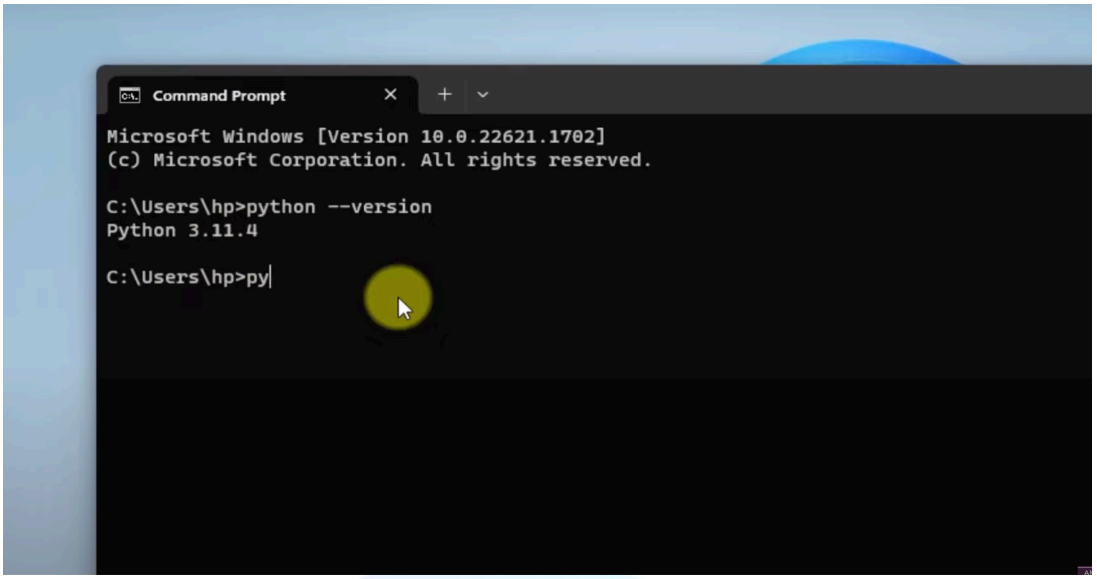
- Now select all the checkboxes as shown in above figure and click “**next**”.



- Set up will be initiated , Once it's done, you will see a screen that says "**Setup was successful**."
- You can click on the **"Disable path length limit"** option if it appears. This prevents issues related to long file paths on Windows.

Step 3: Verify the Installation

- Open the Command Prompt by typing `cmd` in the Start Menu search.
- Type the following command “**python --version**”and press Enter



If Python is installed correctly, it will show the installed version number, like `Python 3.x.x`.

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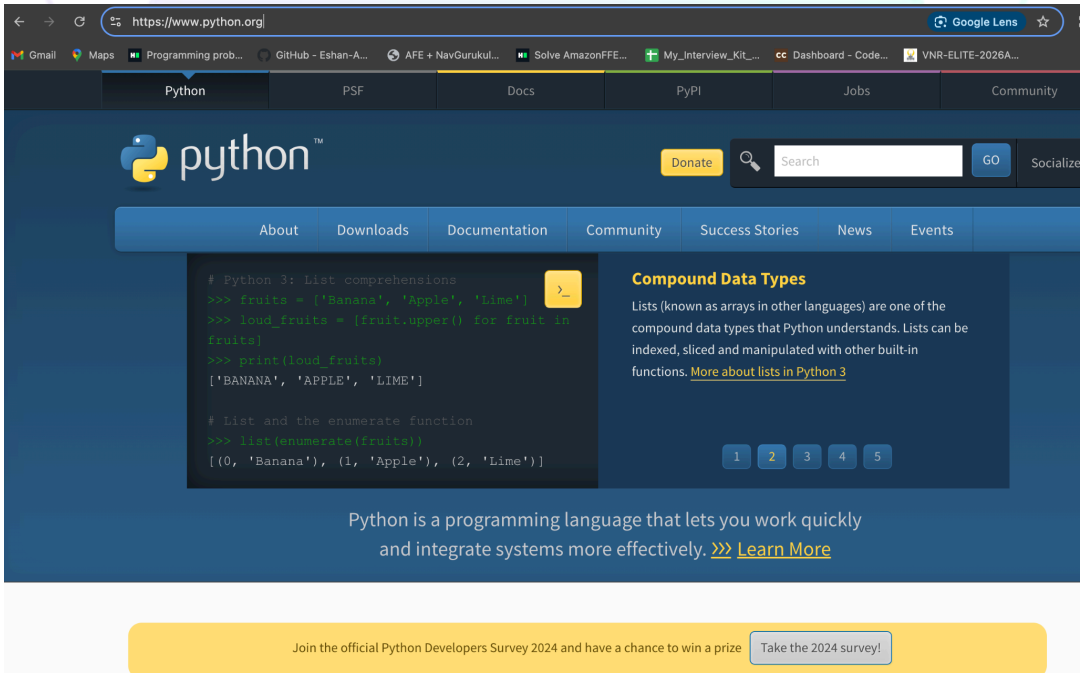
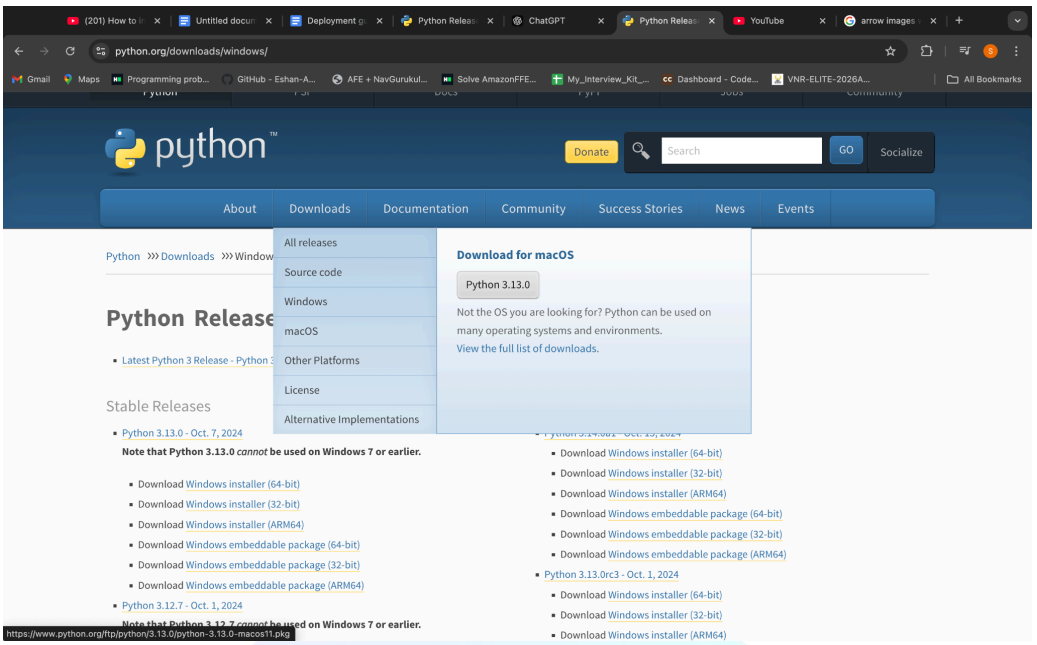
2. Installing Python on MacOS

Step 1: Download the Python Installer

- Open your web browser and go to the official Python website: python(or by typing python in the web browser and open the first link)
- You will get redirected to this page.

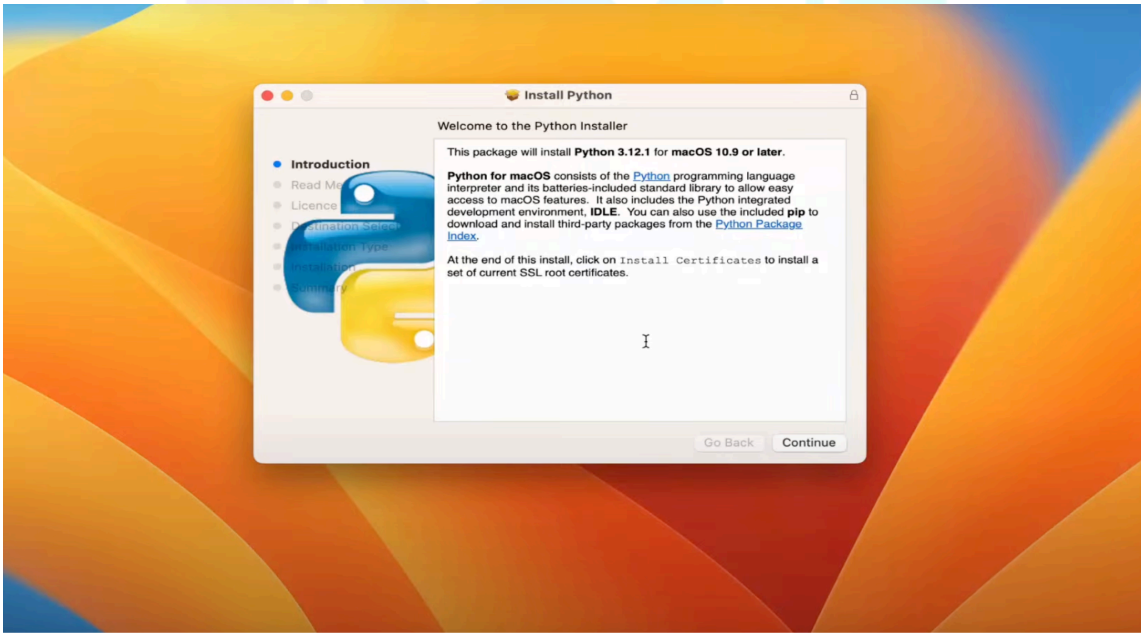


- You will see a button to download the latest version of Python (e.g., Python 3.13.0). Click the button to download the installer.

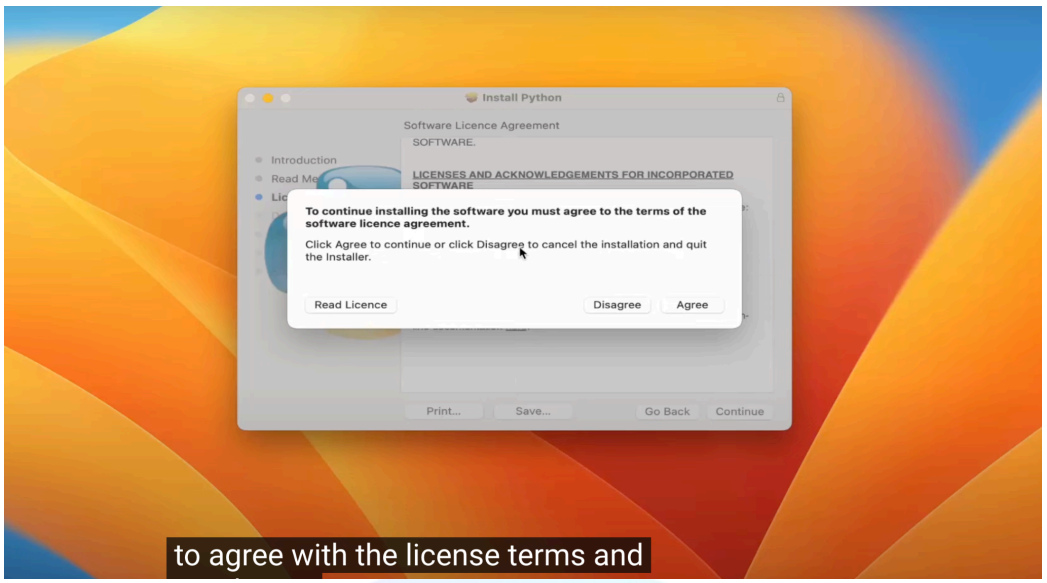


Step 2: Run the Installer

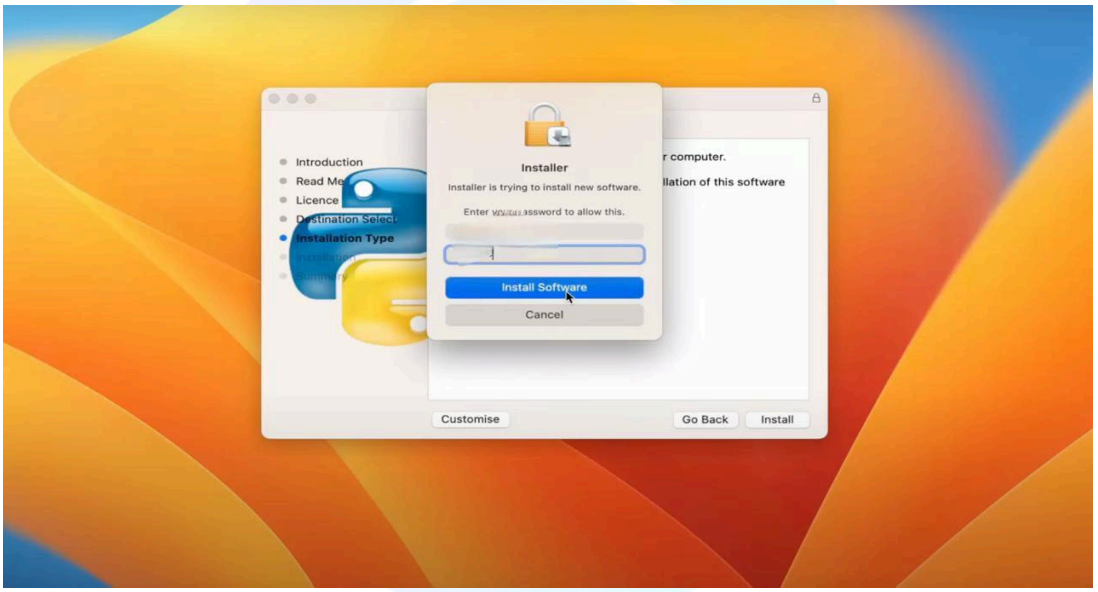
- Once the installer is downloaded, double-click on the `.exe` file to run it.



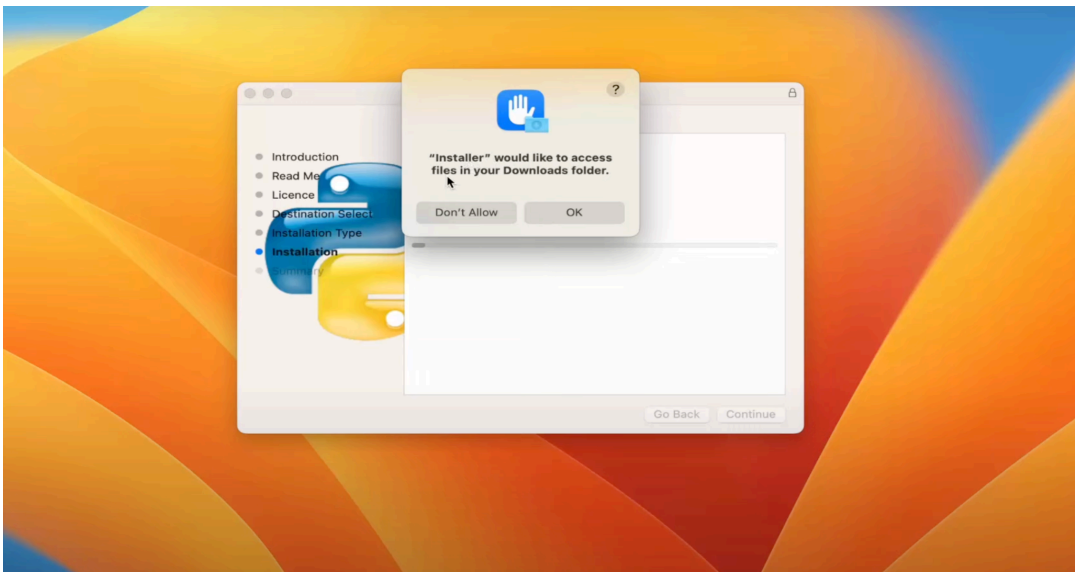
- Then the installation of python will be started, click continue and accept the terms and conditions.
- Accept all conditions and at last click “agree”



- Once you agree to the conditions, it will ask for your mac password. Give the password and click "**Install**".



- Here give access to our folders.

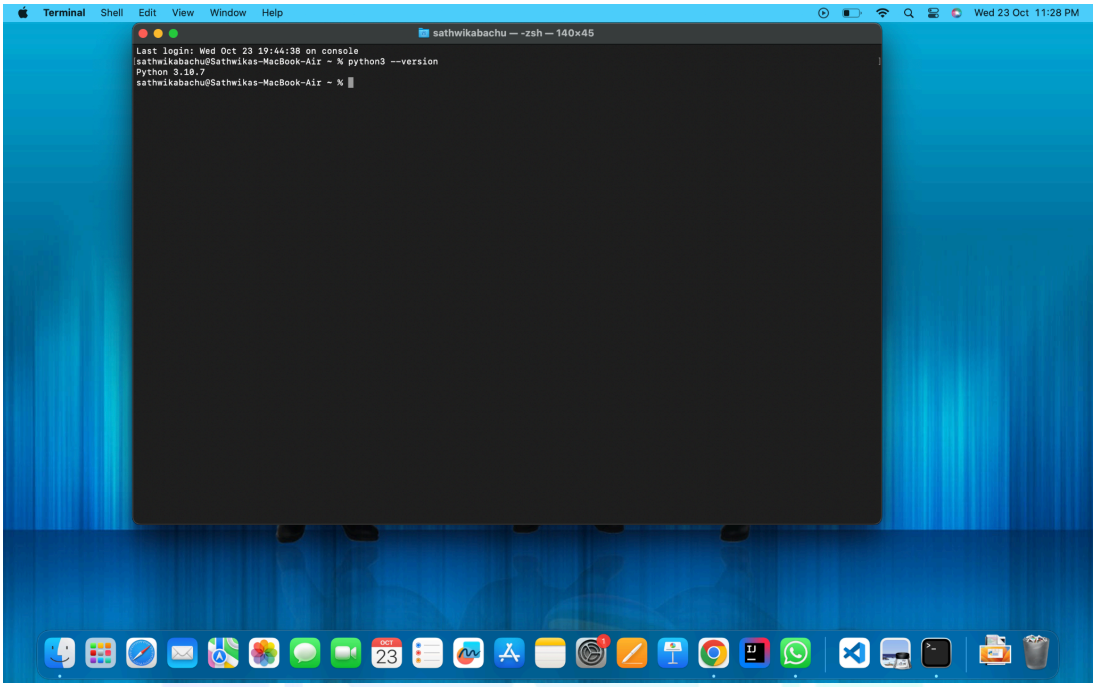


- Then the installation starts.

- Once it is finished. You can verify using a terminal.

Step 3: Verify the Installation

- Open terminal using search option.
- Type the following command "**python3 --version**"and press Enter



- If it gives the version then the installation is successful.

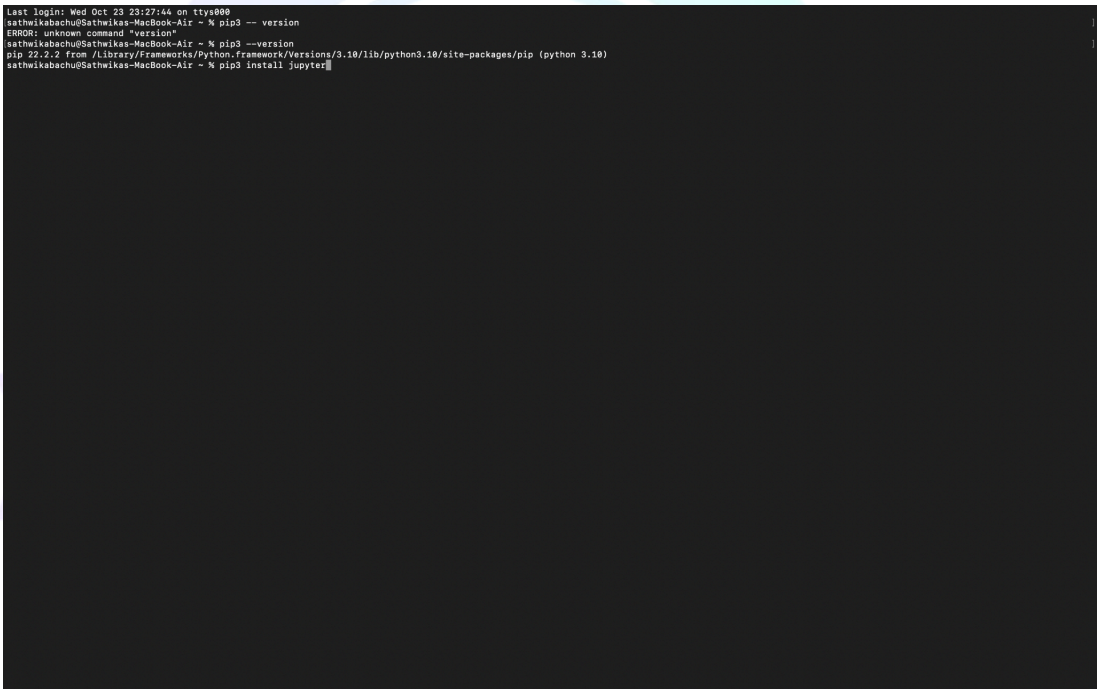
Jupyter notebook Installation

Step 1: Install Python.
Step 2 : Install pip if not already available:
Run this command in the terminal/command prompt to install.

“sudo apt install python3-pip”
Step 3: Install Jupyter

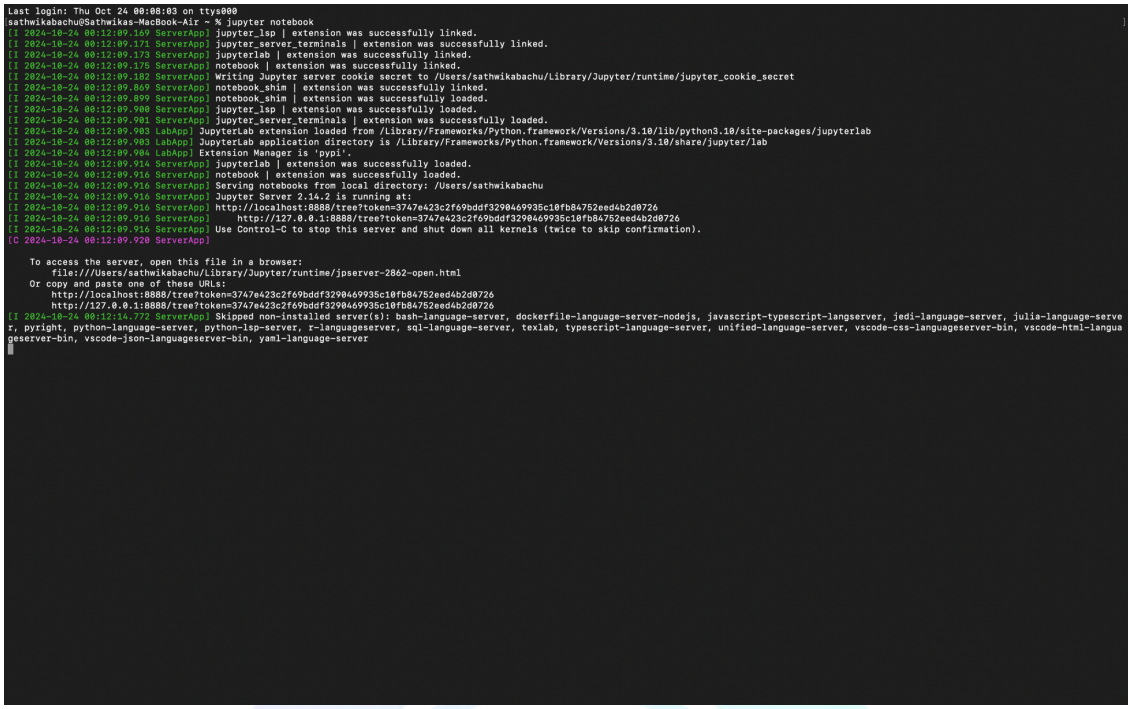
- Windows : pip install jupyter
- Mac OS : pip3 install jupyter

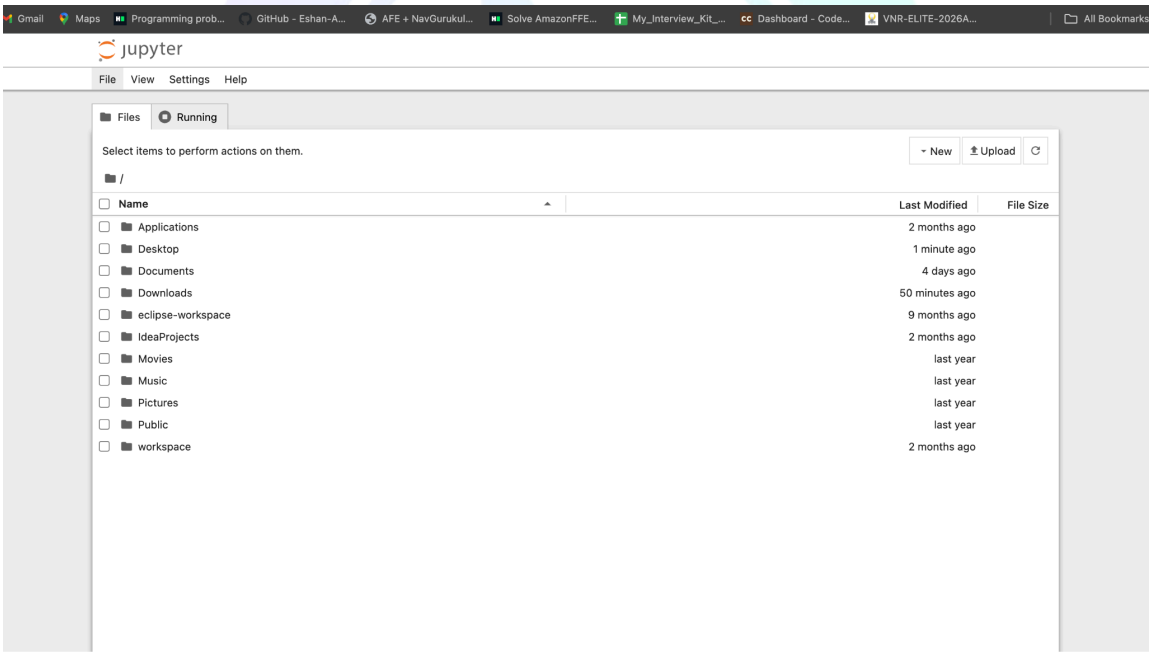
Use the above commands to install.



Step 4: Launch Jupyter Notebook

- After installation, run: “**jupyter notebook**” in terminal/command prompt.
- It will open a jupyter notebook in the web browser.





Jupyter Notebook is now installed and fully set up! You can start coding interactively and experimenting with your Python projects.

References:

Windows: [python download]

Mac: [python download]