[updated October 25, 2024]

To install python visit the following website:https://www.python.org/downloads/

Click on the "Download Python" button for your Windows version (32-bit or 64-bit). Generally, you should download the 64-bit version of Python for your Windows 11 PC.

Ensure that the "Add Python to PATH" option is checked during installation. This will make Python accessible from the command line. Click "Install Now" and follow the on-screen instructions.

Install Python to Visual Studio Code:

Open Visual Studio Code.

Click on the Extensions icon (the square with four squares in the sidebar).

Search for "Python" in the extensions marketplace.

Select the "Python" extension by Microsoft and click "Install".

Restart Visual Studio Code for the extension to take effect.

Create a New Python File

- In Visual Studio Code, click "File" -> "New File".
- Save the file with a .py extension (e.g., hello.py).

Running Python in VSCode

There are two ways to run Python code in Visual Studio Code:

Method 1: Using the Terminal:

- Open the integrated terminal in Visual Studio Code by clicking "View" -> "Terminal".
- In the terminal, navigate to the directory where your Python file is saved using the cd command (e.g., cd path/to/your/file).
- Run your Python file using the command python hello.py.

Method 2: Using the Debugger:

- Set a breakpoint in your code by clicking on the line number.
- Click the "Run" button (green triangle) to start debugging.
- The debugger will pause execution at the breakpoint, allowing you to inspect variables and step through the code.