

■ Let's Set Up Python Environment for Learning

This guide helps you set up Python and VS Code for learning Python programming.

1. Install Python

1. Download Python from the official website: <https://www.python.org/downloads/>
2. Run the installer.
 - ■ Make sure to check "Add Python to PATH" during installation.
3. Verify installation by opening Command Prompt / PowerShell and typing:
`python --version`

You should see something like:

Python 3.13.7

2. Install VS Code (Code Editor)

1. Download Visual Studio Code: <https://code.visualstudio.com/Download>
2. Install and open VS Code.
3. Go to Extensions (left sidebar or press Ctrl+Shift+X).
4. Search for Python and install the official Microsoft Python extension.
 - This extension gives you syntax highlighting, IntelliSense, and debugging.

3. Create Your First Python File

1. Open a folder (example: Python-My-Progress).
2. Create a new file named `setup.py`.
3. Add this code:

This file is used to set up the Python environment for learning.

```
print("Hello, Python World!")
```

4. Run it in the terminal:

```
python setup.py
```

4. Alternative Editors / Tools

- You can also use Jupyter Notebook (good for data science).
- Or any other IDE like PyCharm, Thonny, or Spyder.

■ Now your Python environment is ready for learning!