

VISUAL STUDIO CODE (PYTHON) INSTALLATION GUIDE FOR WINDOWS/MAC

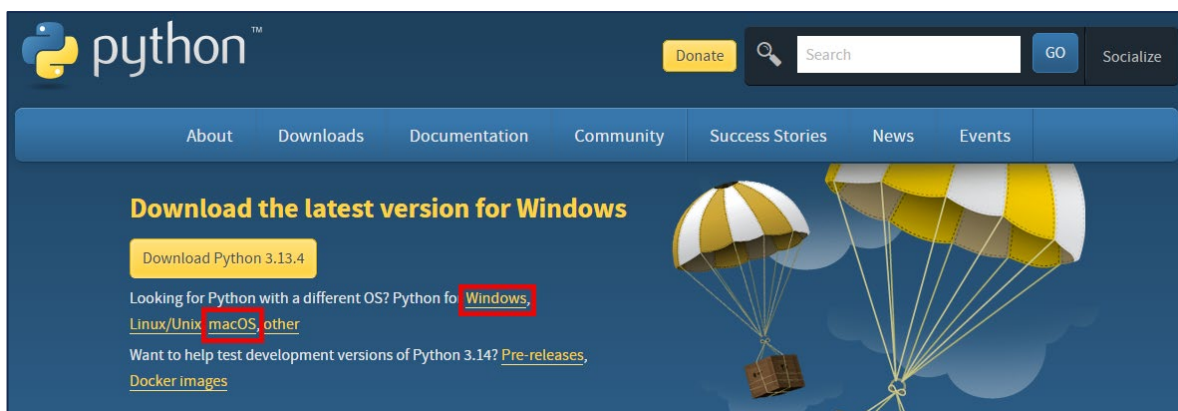
Software used in Computer Science Principles



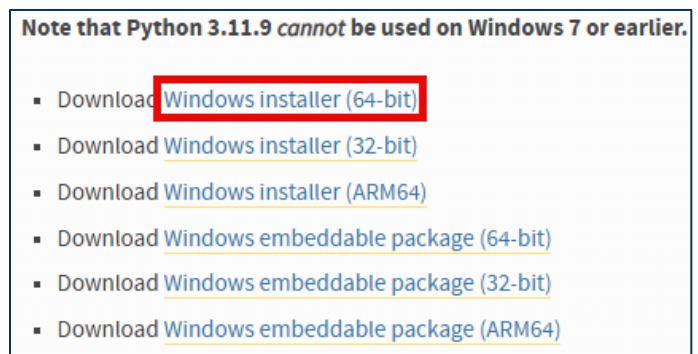
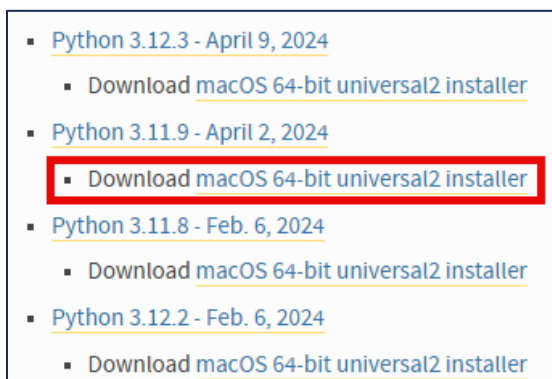
Updated 8/20/2025

Procedure: Installation of Python and Microsoft Visual Studio Code (VS Code)

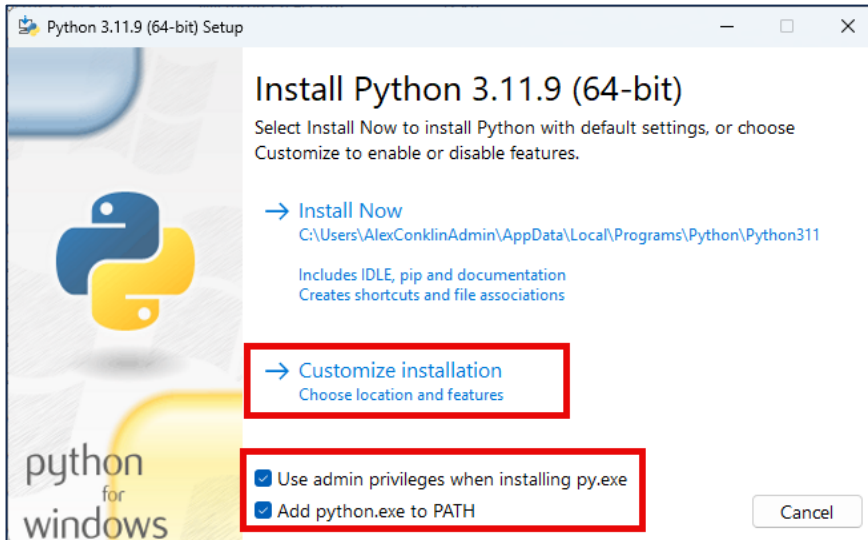
1. Go to <https://www.python.org/downloads/> and select Windows or macOS.



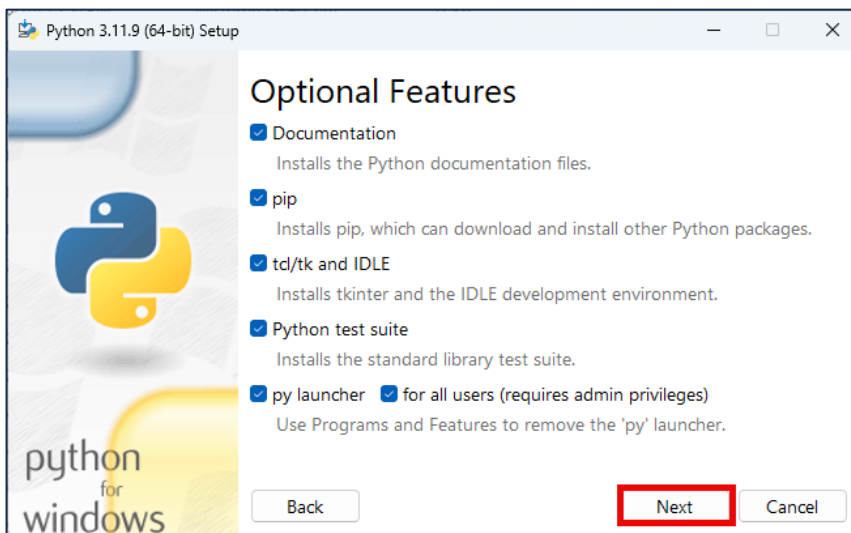
2. Select the latest stable version for your operating system.



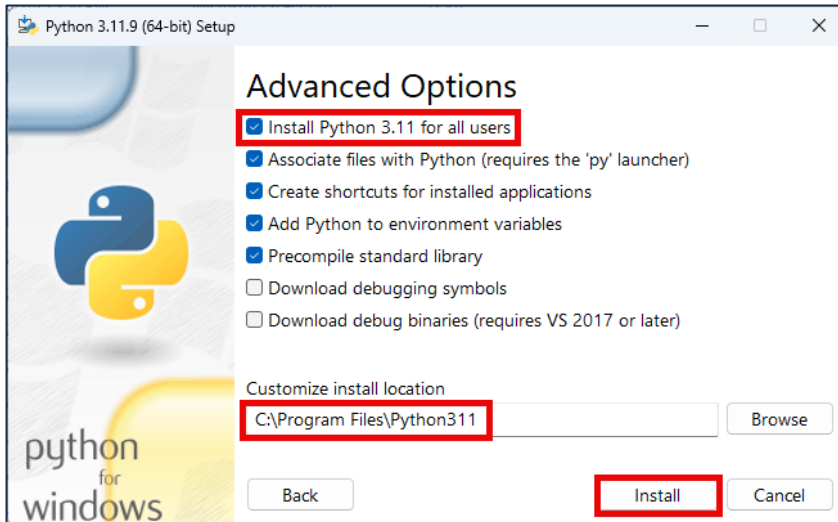
3. Go to where you downloaded the installer and **Run as admin** to install a path for all users.
4. In Windows, select the following options.



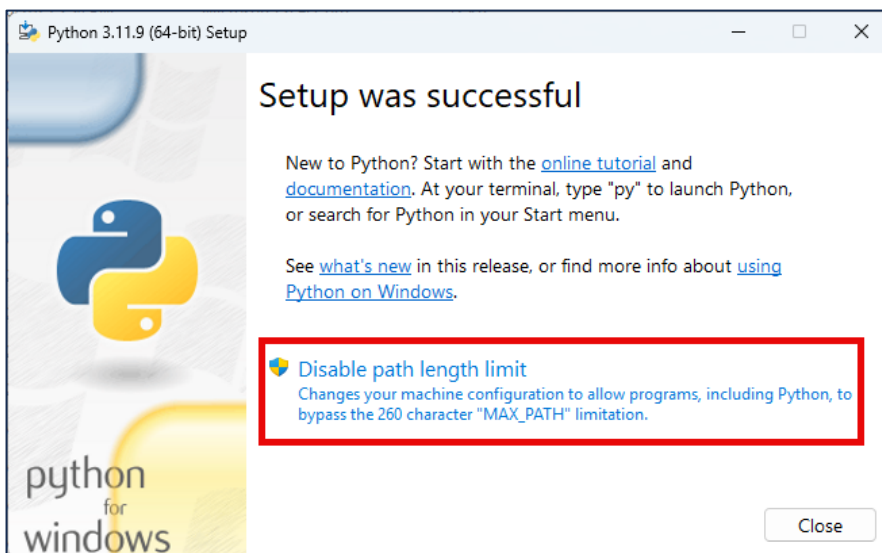
5. Select Next.



6. Select **Install Python for all users**.



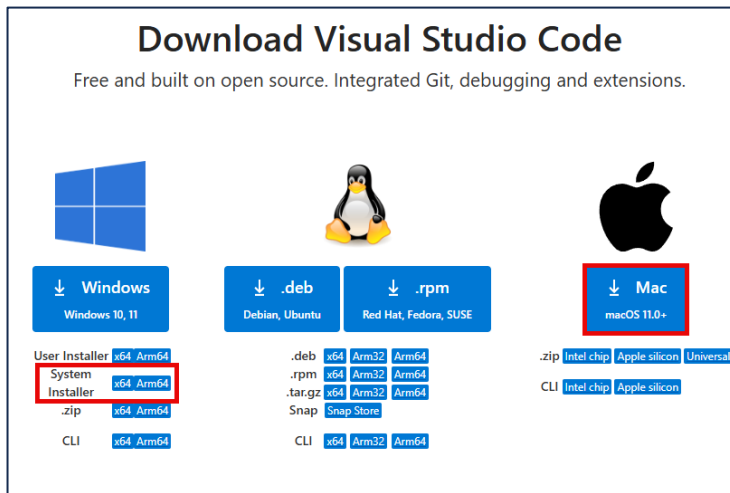
7. Select Disable path length limit.



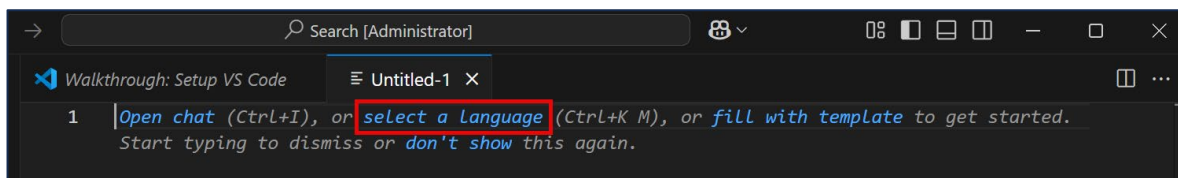
8. Close the installer.



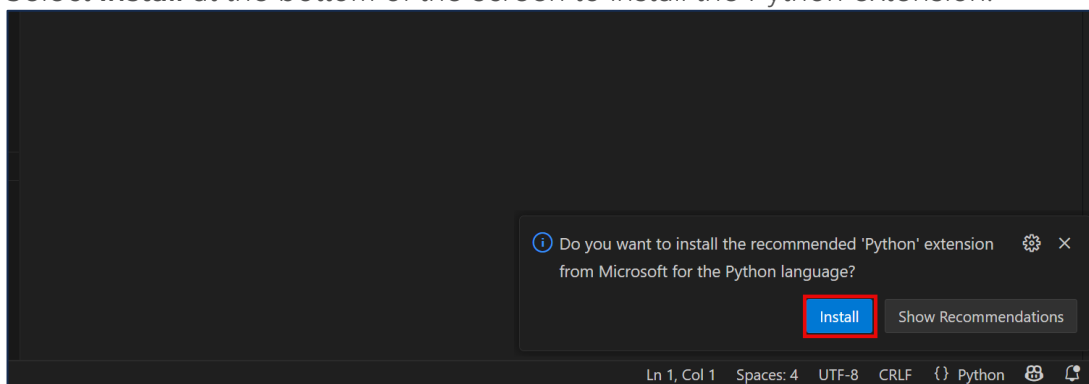
9. Navigate to [Download Visual Studio Code - Mac, Linux, Windows](#) and select either Windows or Mac to download. If you already have VS Code installed and only need to install a language extension, skip to step 3.



10. When the download completes, run it as Administrator, and use the default prompts to install.
11. In VS Code, select **File > New Text File**.
12. Select **select a language**. Then type in Python. Select Python.



13. Select **Install** at the bottom of the screen to install the Python extension.

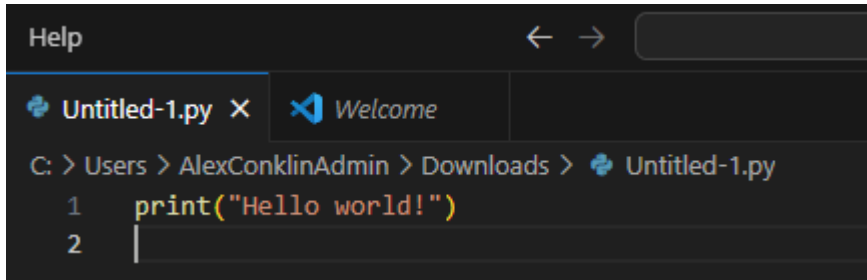


14. Copy and paste the following program to the new file.

```
print("Hello world!")
```



15. Save the program as *hello_world.py*.



16. In VS Code, select **Run > Run Without Debugging**.
17. If a *Welcome* panel appears, dismiss it.
18. When prompted to Select debugger, select **Python Debugger** and confirm the TERMINAL displayed “Hello world!”
19. In the VS Code TERMINAL, use the `pip` command to install the required libraries.

```
pip install pillow, pygame, matplotlib, pandas
```

20. Create a **New Text File**.

21. Copy the *hello_world2* program to the new file and **Save** to a local file as *hello_world2.py*.

```
import PIL
import pygame
import matplotlib
import pandas

print("hello world 2")
```

22. Right-click on the *HelloWorld2* program in VS Code and select **Run**. The output may take a few minutes to appear.

