Install Python

Contents

Time required: 30 minutes

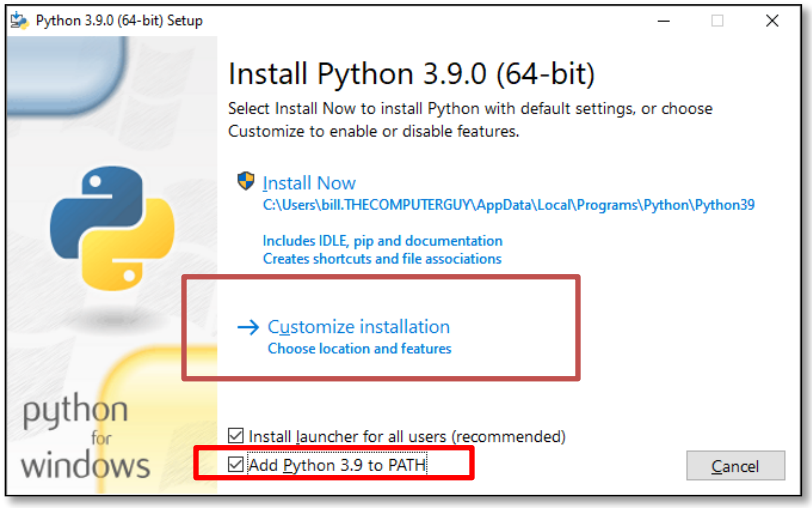
There is a version of Python for almost any operating system. These directions are for Windows.

Video Walkthrough: Install Python in Windows

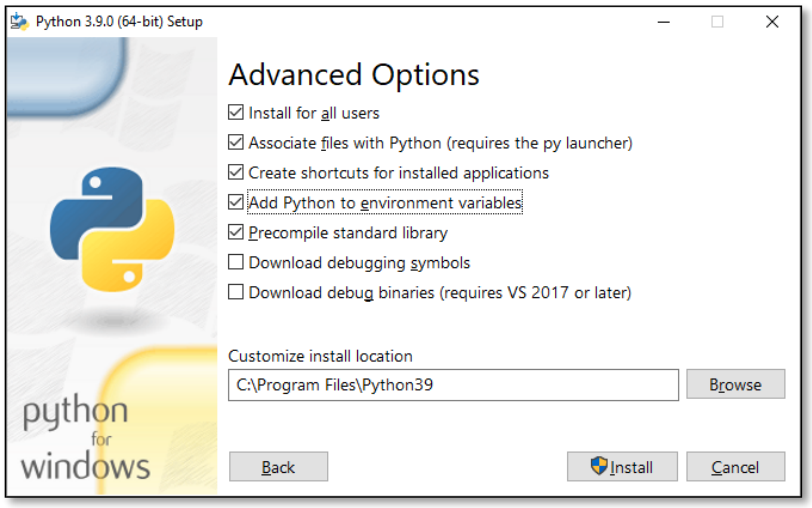
NOTE: Linux and MacOS already have Python installed.

1. Go to https://www.python.org/downloads
2. Click **Download Python 3.13.1** (This was the latest version as of this writing. Download the latest version.)
3. Double Click the file you downloaded to start the installation.

4. Select: **Install launcher for all users (Recommended)**
   Select: **Add Python to Path**
   Click: **Customize installation** to continue.



5. Click Next until you come to **Advanced Options**.
   Select: **Install for all users**



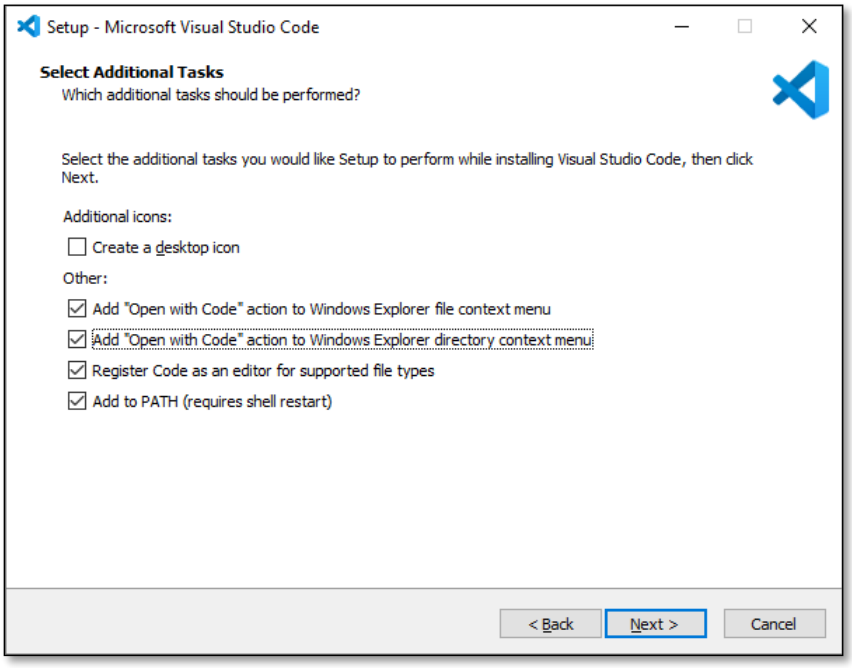
6. Click **Install**

7. Setup should be successful.

Install Visual Studio Code

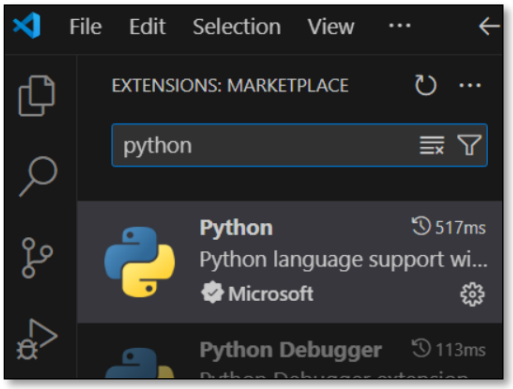
There is extensive information on how to get started with Visual Studio Code and Python on the Visual Studio Code website.

1. Go to code.VisualStudio.com
2. Download and install the **System Installer 64 bit** version of Visual Studio Code for your operating system.
3. During the installation: **Select Additional Tasks**, select the following items. You can create a desktop icon if you wish.



Setup Visual Studio Code to Edit Python Programs

1. Run Visual Studio Code.
2. Go to the **Extensions** button on the left navigation bar → search for **Python**. You will see **Python by Microsoft**. Click **Install**.



Tutorial: Hello World!

This is traditionally the first program written in a new programming language. It is a good way to test your development environment to make sure everything is working.

We will write and run the traditional "Hello World!" program from a Python program file.

1. Launch **Visual Studio Code**.
2. Click **File** → **Save As**. Save your program as **hello_world.py**
3. Enter the following code required to print a **Hello World!** message.

```
# Print the literal string Hello World!
print("Hello Python World! Let's start coding!!")
```

4. Press **F5** to run the program.
5. Your program should print **Hello World!** in the terminal.
6. Example run:

```
Z:\_WNCC\Python\Assignments\02 Getting S
thon\debugpy\adapter/../..\debugpy\launc
Hello Python World! Let's start coding!!
```

Congratulations! You created your first program in Python. You are ready to start on your programming journey!

Assignment Submission

1. Attach the program file.
2. Attach screenshots showing the successful operation of the program.
3. Submit in Blackboard.