



# Installing Python, Visual Studio Code

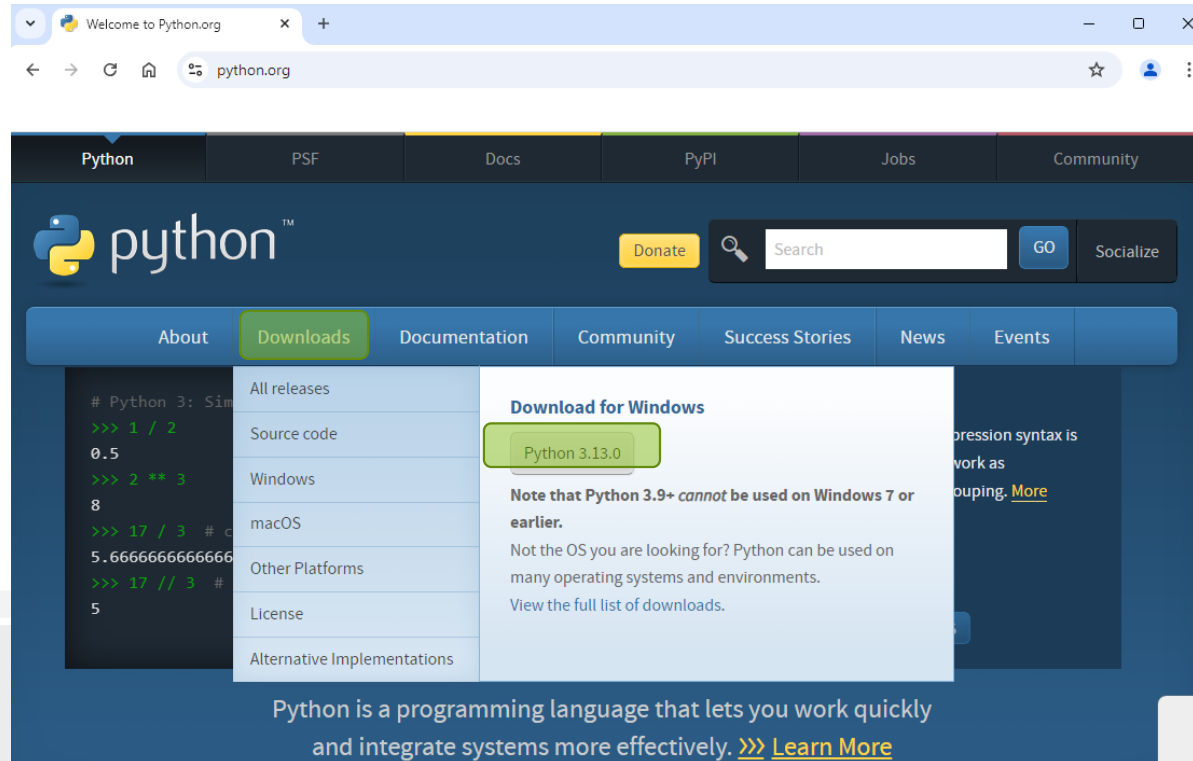


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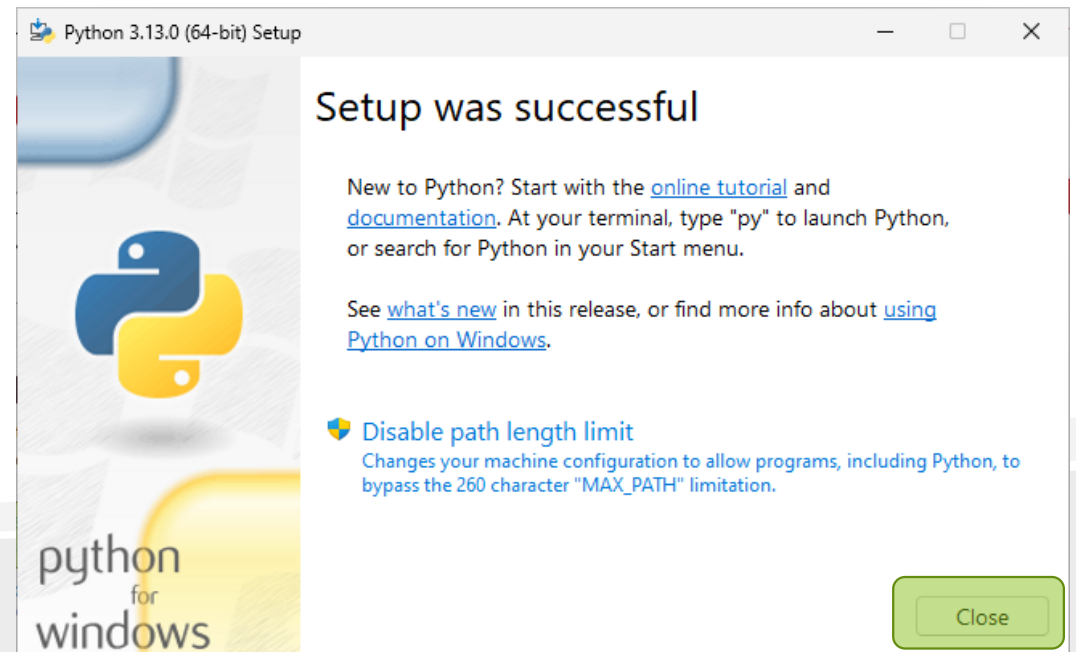
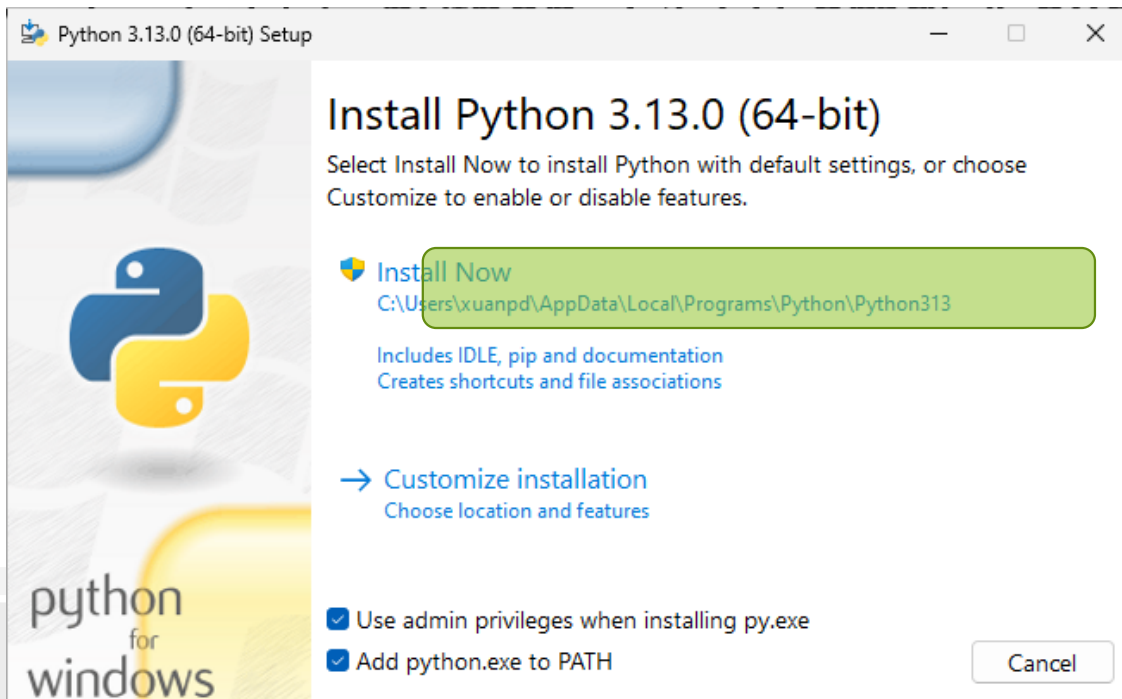
# 1. Installing Python on Windows

- If Python is not installed on your system, you need to download a Python installer for Windows.
- Go to <https://www.python.org/> , download the latest version of Python.



# 1. Installing Python on Windows

- After you've downloaded the file, run the installer: **python-3.13.0-amd64.exe**
  - Make sure you select the option **Add python.exe to PATH**, which will make it easier to configure your system correctly.





# 1. Installing Python on Windows

## Running Python in a Terminal

- Open a new command window and enter **python** in lowercase. You should see a Python prompt ( `>>>` ), which means Windows has found the version of Python you just installed.

```
Command Prompt - python  X  +  v

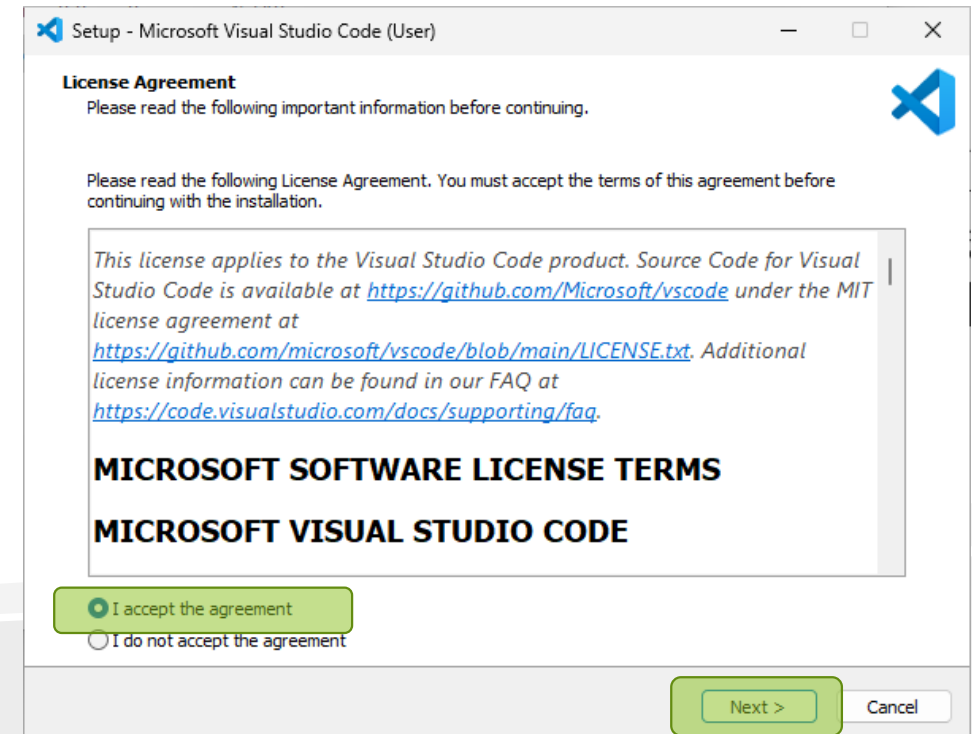
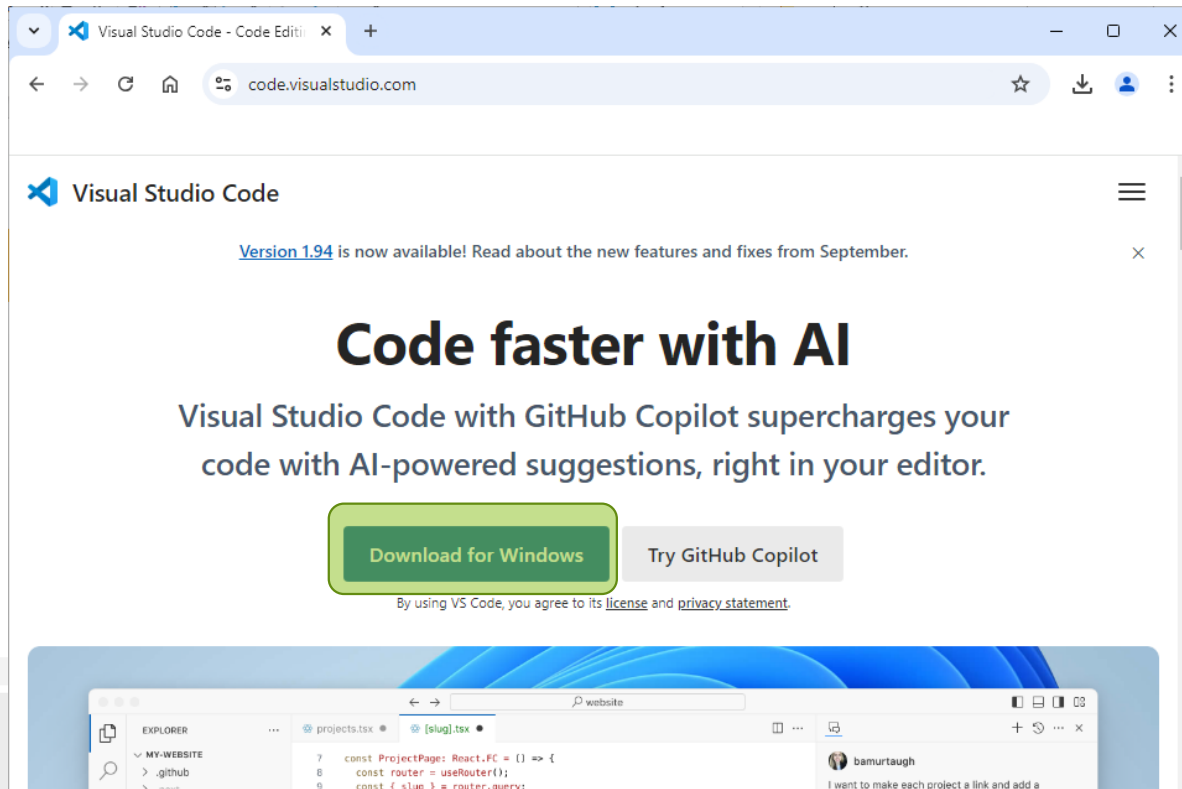
C:\Users\xuanpd>python
Python 3.13.0 (tags/v3.13.0:60403a5, Oct  7 2024, 09:38:07) [MSC v.1941 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

```
Command Prompt - python  X  +  v

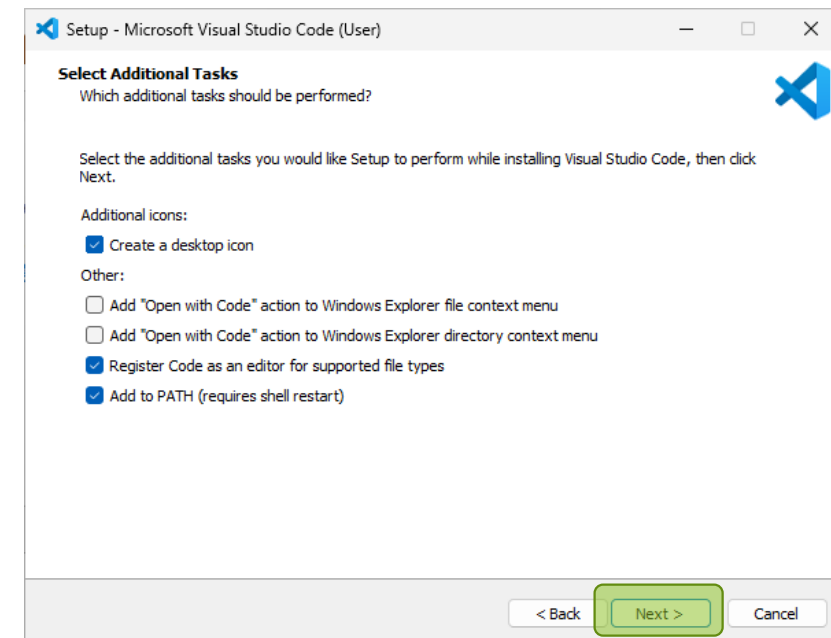
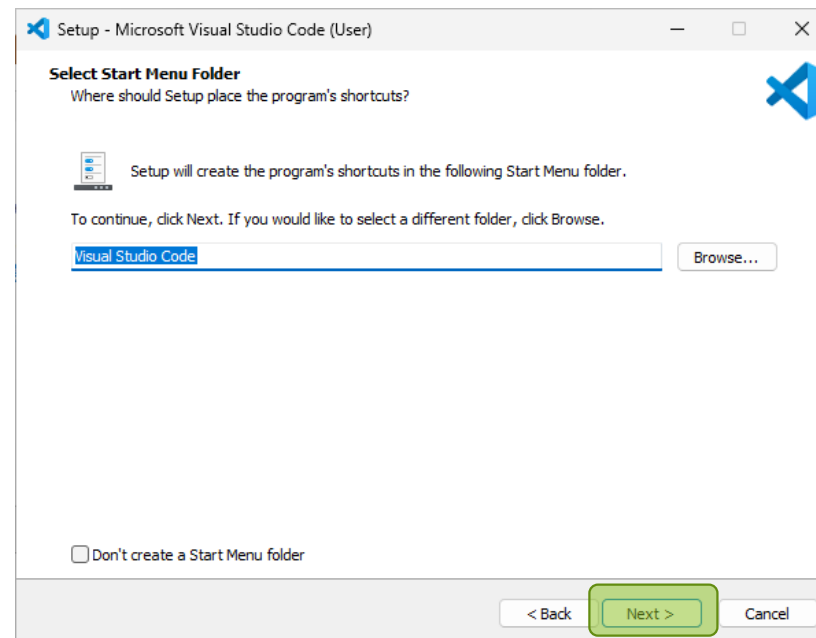
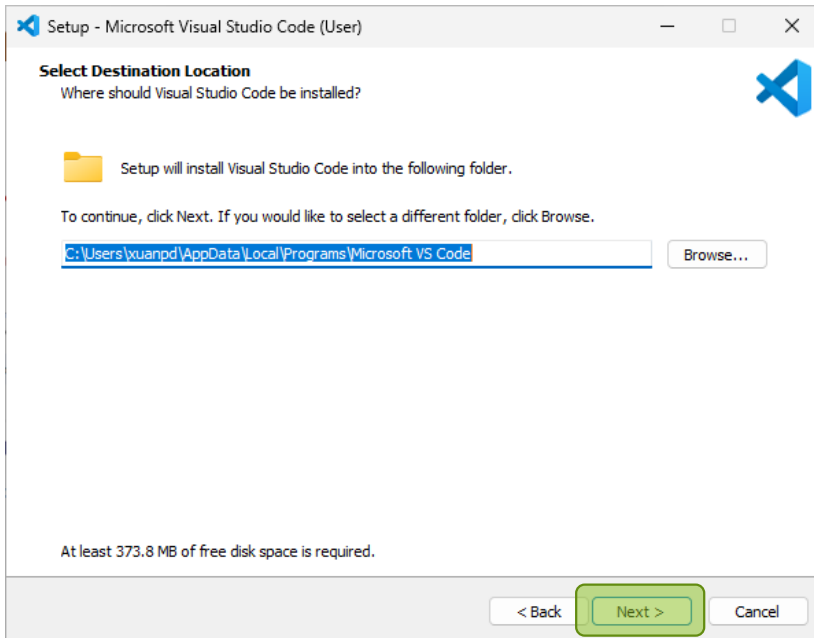
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Type "help", "copyright", "credits" or "license" for more information.
>>> print("Hello ")
Hello
>>>
```

## 2. Installing Visual Studio Code

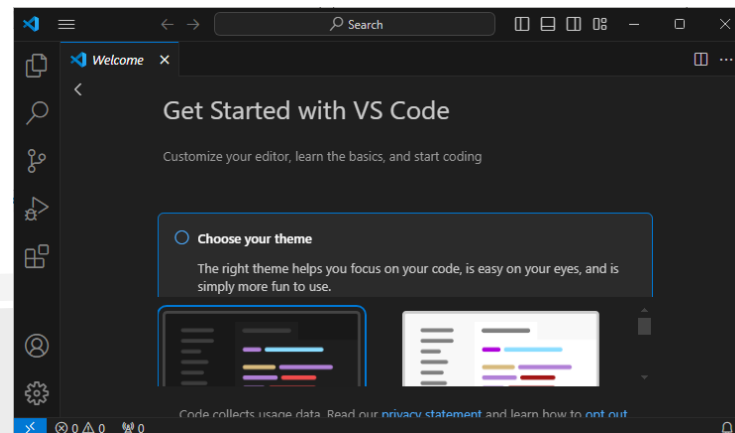
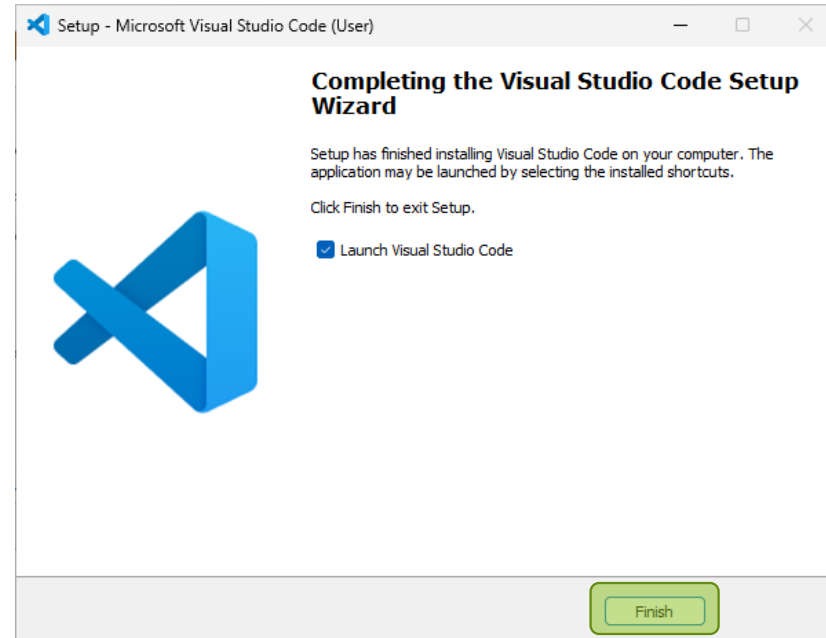
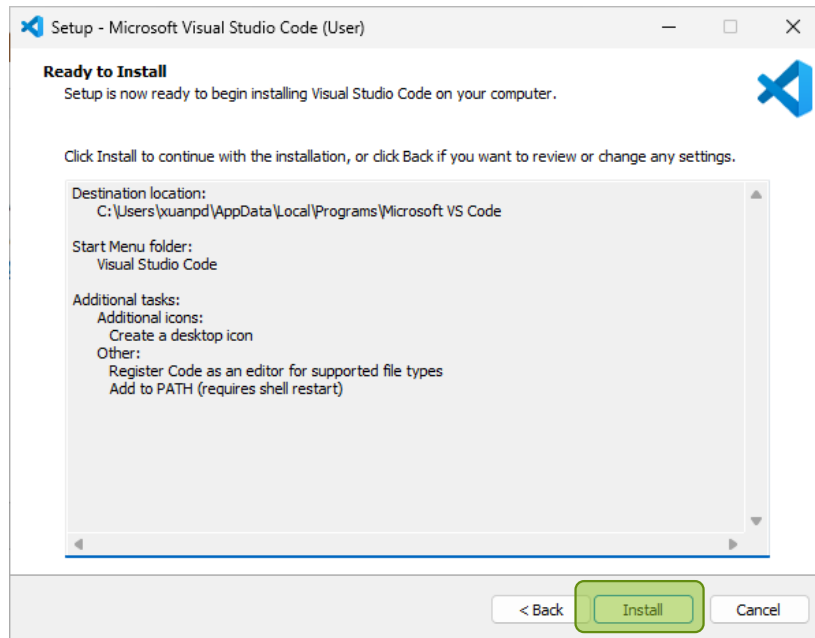
- Go to <https://code.visualstudio.com>, click the **Download for Windows** button to download the installer **VSCodeUserSetup-x64-1.94.2.exe**. Run the file to install Visual Studio Code.



## 2. Installing Visual Studio Code



## 2. Installing Visual Studio Code

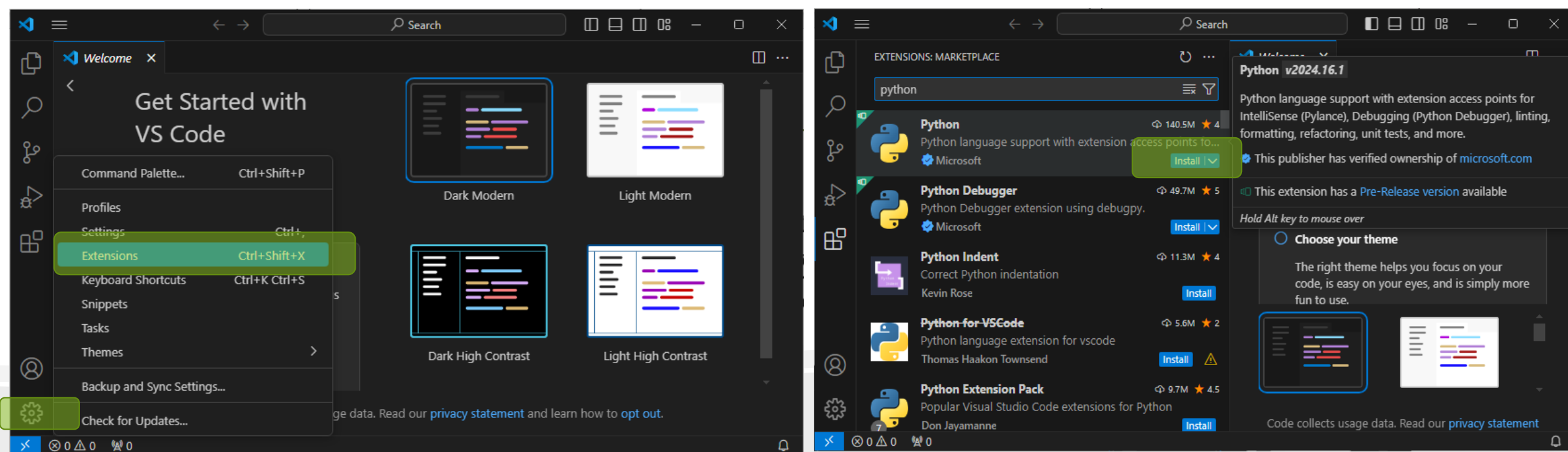




## 2. Installing Visual Studio Code

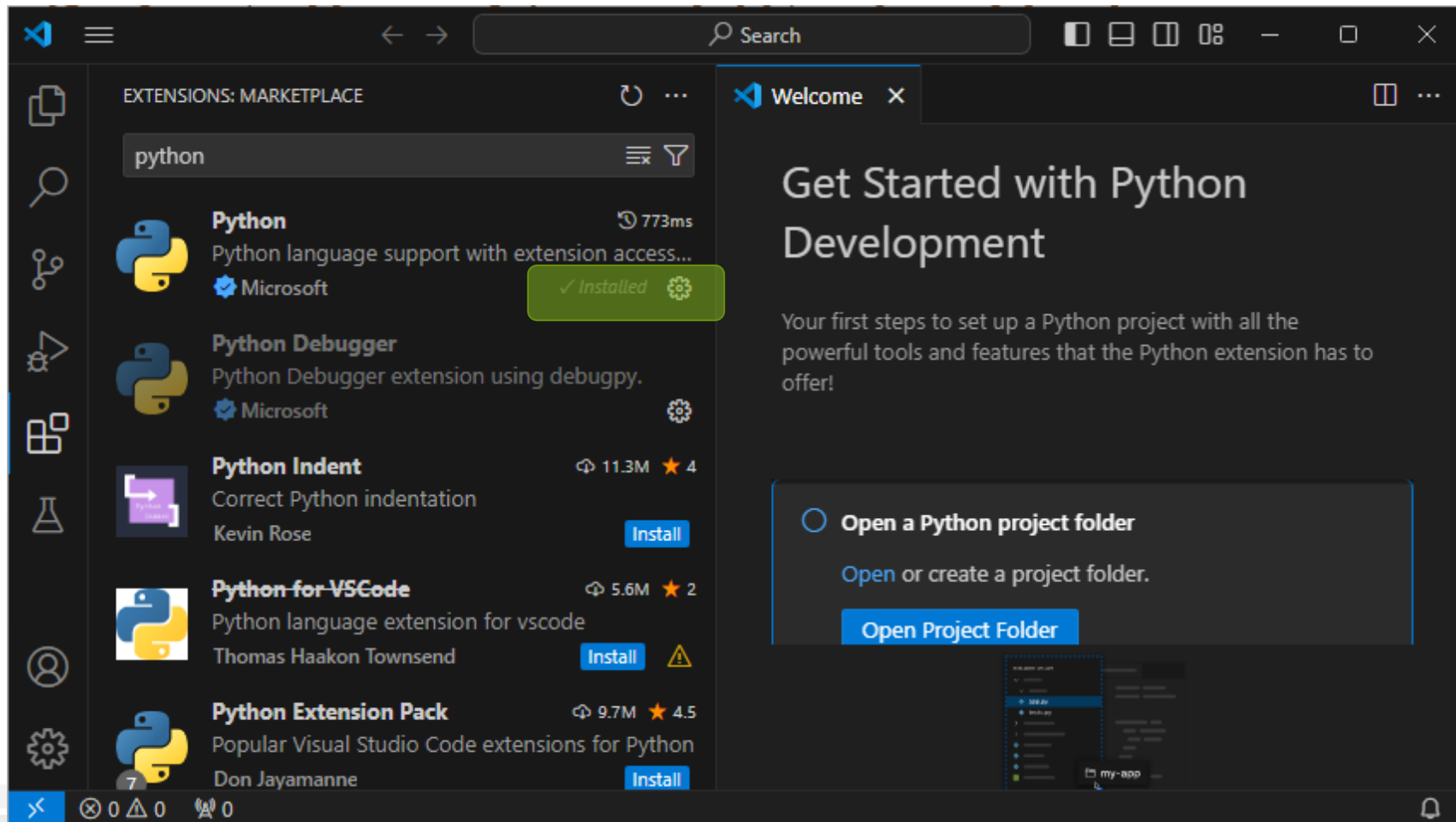
### Installing the Python Extension for VS Code

- VS Code works with many different programming languages; to get the most out of it as a Python programmer, you'll need to install the Python extension. This extension adds support for writing, editing, and running Python programs.



## 2. Installing Visual Studio Code

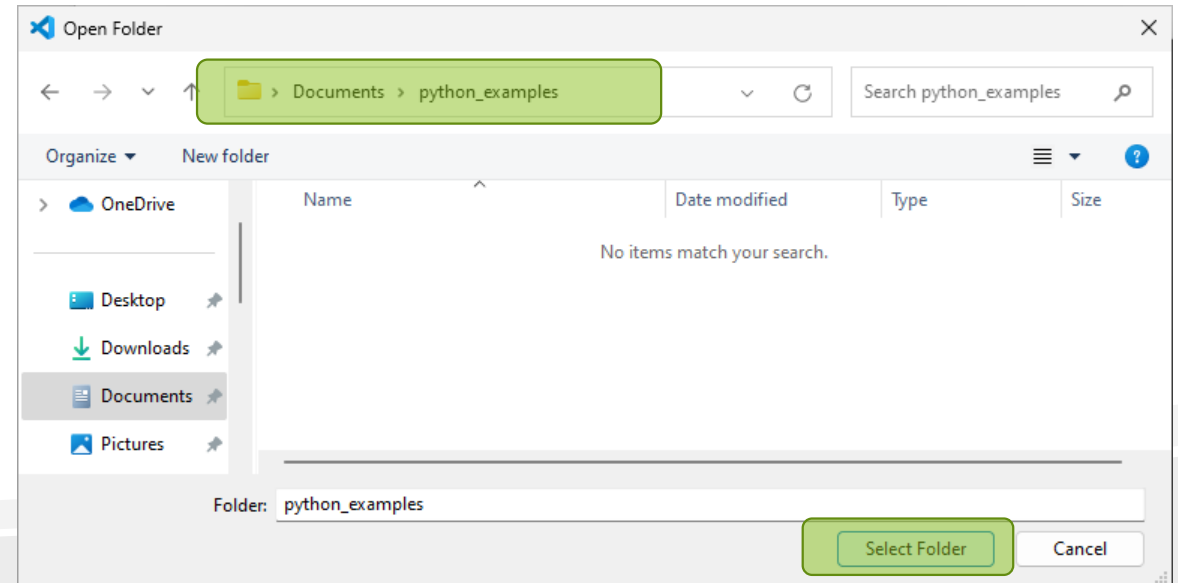
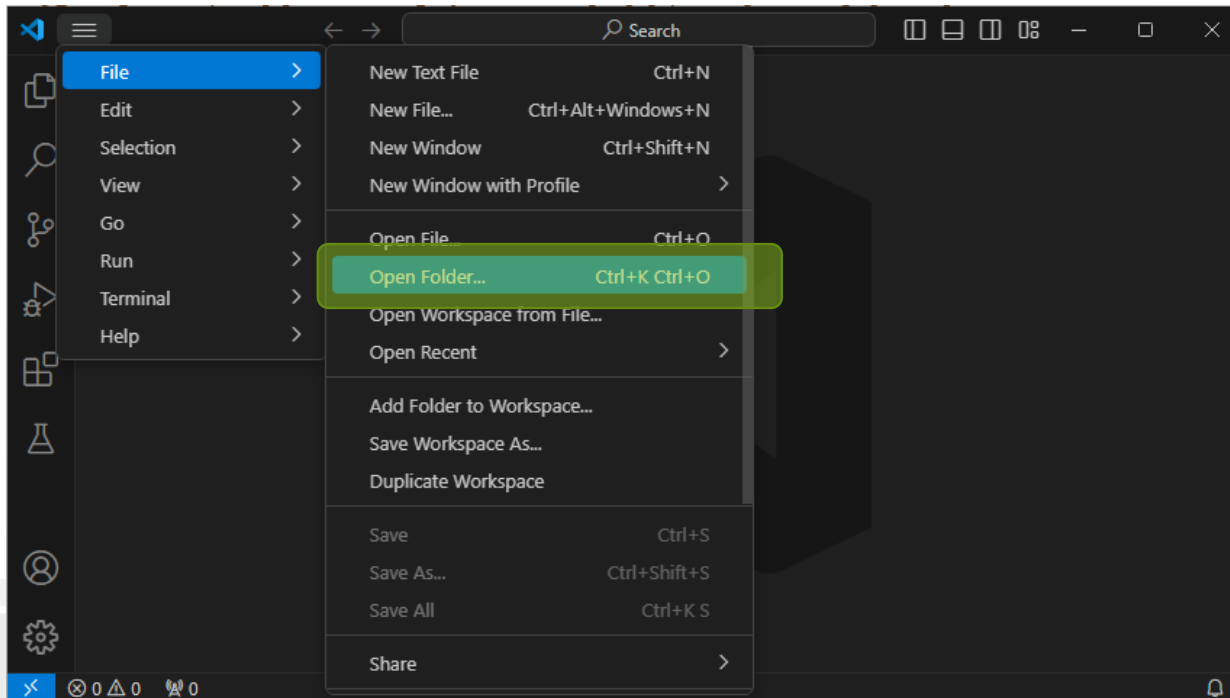
### Installing the Python Extension for VS Code



## 2. Installing Visual Studio Code

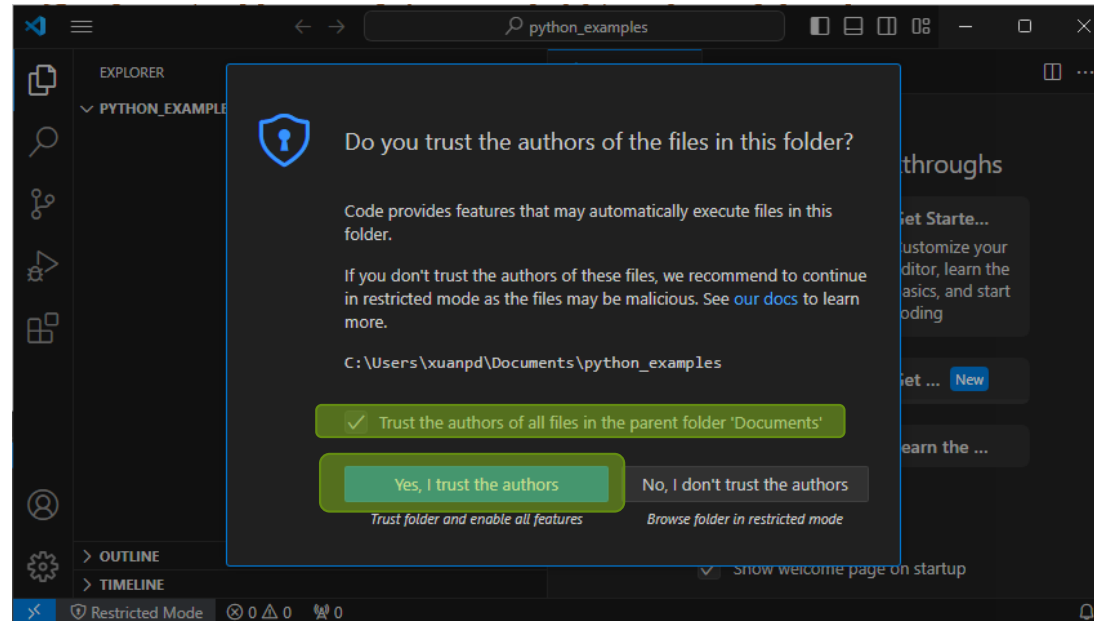
### Create and Run hello.py

- Create a folder called **python\_examples** to store the **python.py** program.
- Run VS Code and open the folder:



## 2. Installing Visual Studio Code

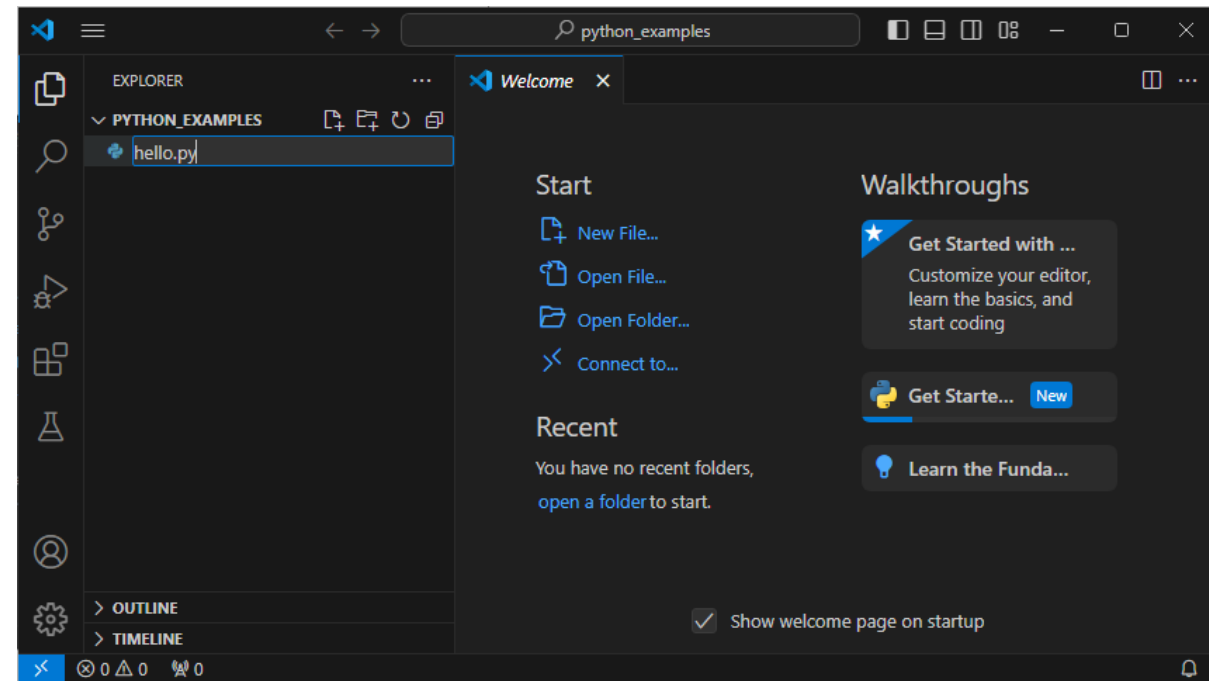
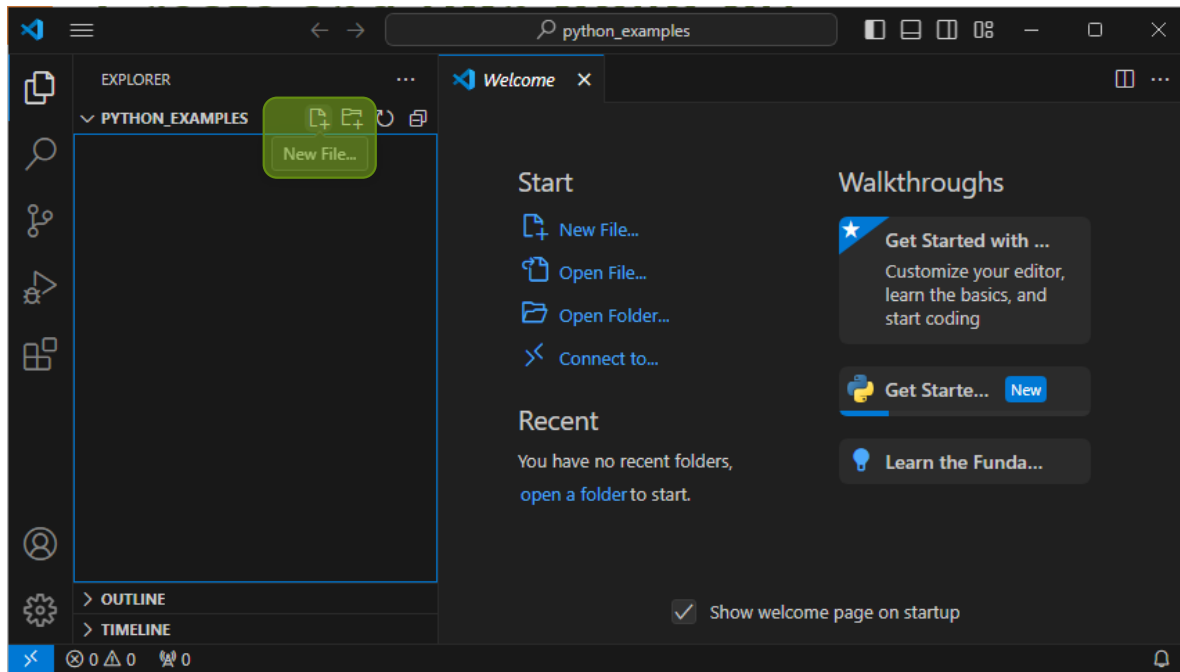
### Create and Run hello.py



## 2. Installing Visual Studio Code

### Create and Run hello.py

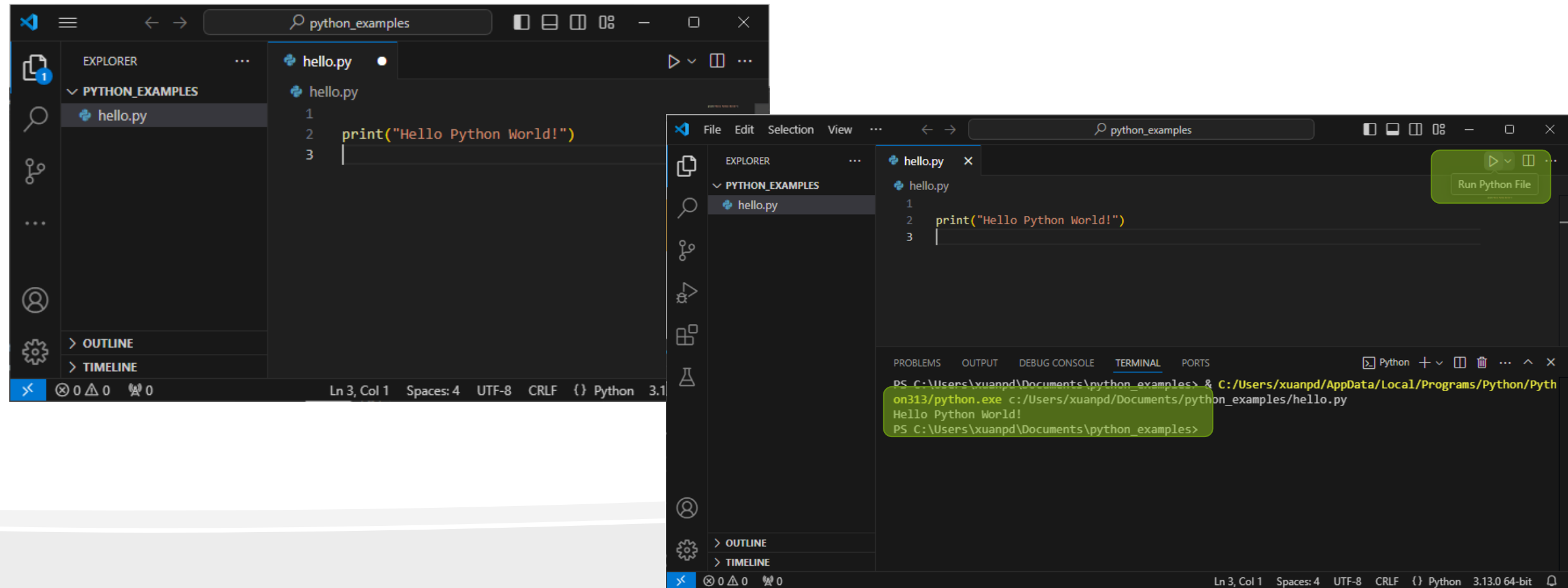
- Create **hello.py**



## 2. Installing Visual Studio Code

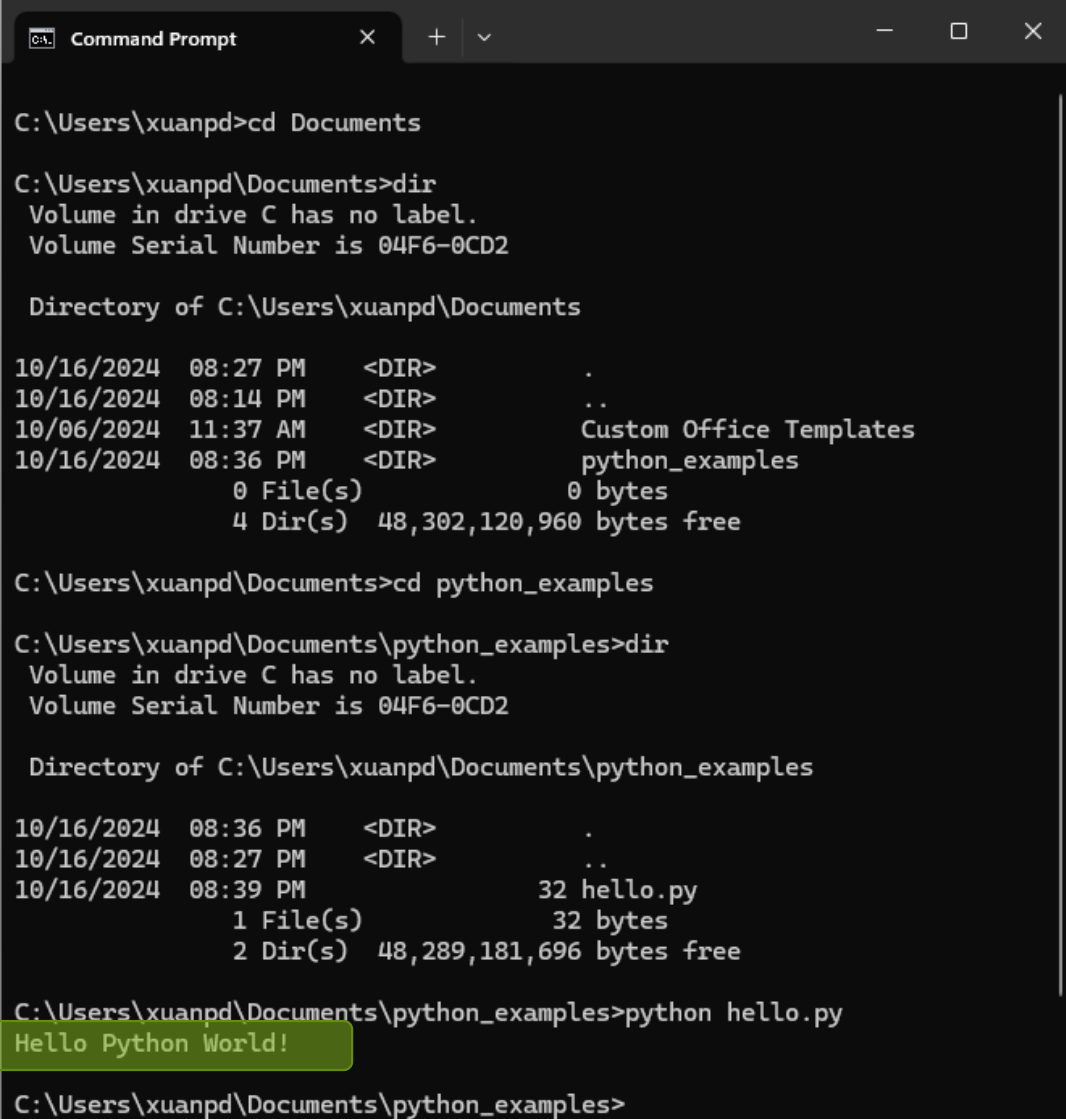
### Create and Run hello.py

- Create **hello.py** and run **hello.py**



### 3. Running Python Program from in Terminal

- You'll run most of your programs directly in your text editor. However, sometimes it's useful to run programs from a terminal instead.
- You can use the terminal command **cd**, for change directory, to navigate through your filesystem in a command window. The command **dir**, for directory, shows you all the files that exist in the current directory.



```
Command Prompt

C:\Users\xuanpd>cd Documents

C:\Users\xuanpd\Documents>dir
Volume in drive C has no label.
Volume Serial Number is 04F6-0CD2

Directory of C:\Users\xuanpd\Documents

10/16/2024  08:27 PM    <DIR>          .
10/16/2024  08:14 PM    <DIR>          ..
10/06/2024  11:37 AM    <DIR>          Custom Office Templates
10/16/2024  08:36 PM    <DIR>          python_examples
               0 File(s)                0 bytes
               4 Dir(s)  48,302,120,960 bytes free

C:\Users\xuanpd\Documents>cd python_examples

C:\Users\xuanpd\Documents\python_examples>dir
Volume in drive C has no label.
Volume Serial Number is 04F6-0CD2

Directory of C:\Users\xuanpd\Documents\python_examples

10/16/2024  08:36 PM    <DIR>          .
10/16/2024  08:27 PM    <DIR>          ..
10/16/2024  08:39 PM                32 hello.py
               1 File(s)                32 bytes
               2 Dir(s)  48,289,181,696 bytes free

C:\Users\xuanpd\Documents\python_examples>python hello.py
Hello Python World!

C:\Users\xuanpd\Documents\python_examples>
```