



Installing Python, Visual Studio Code

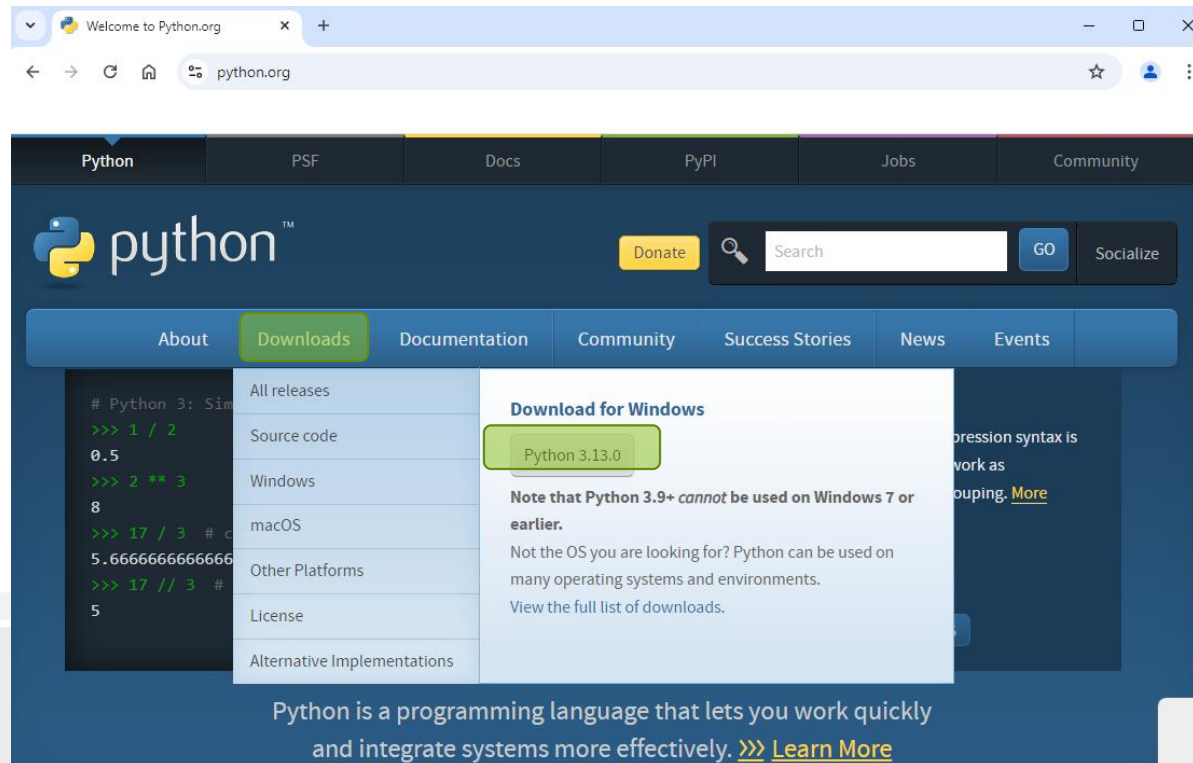


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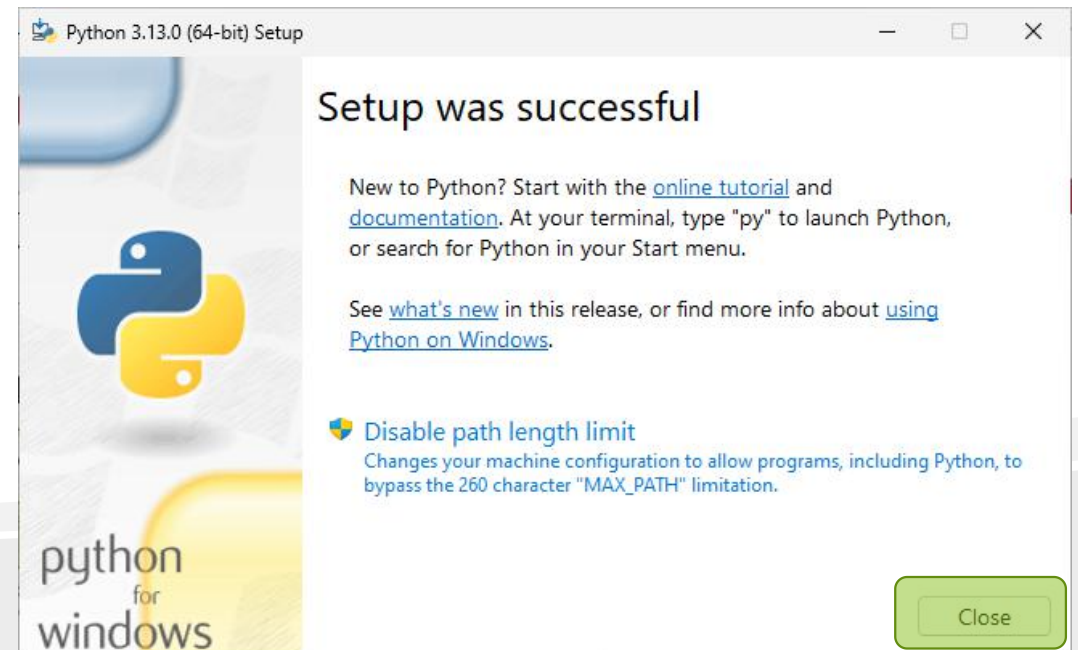
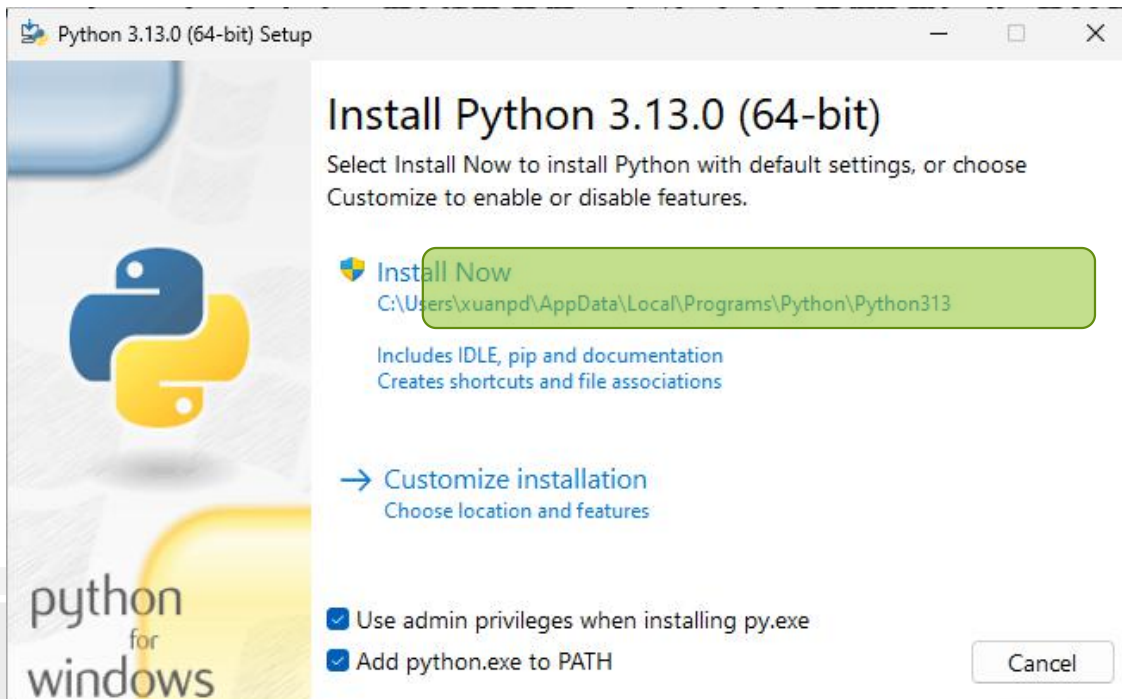
1. Installing Python on Windows

- 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

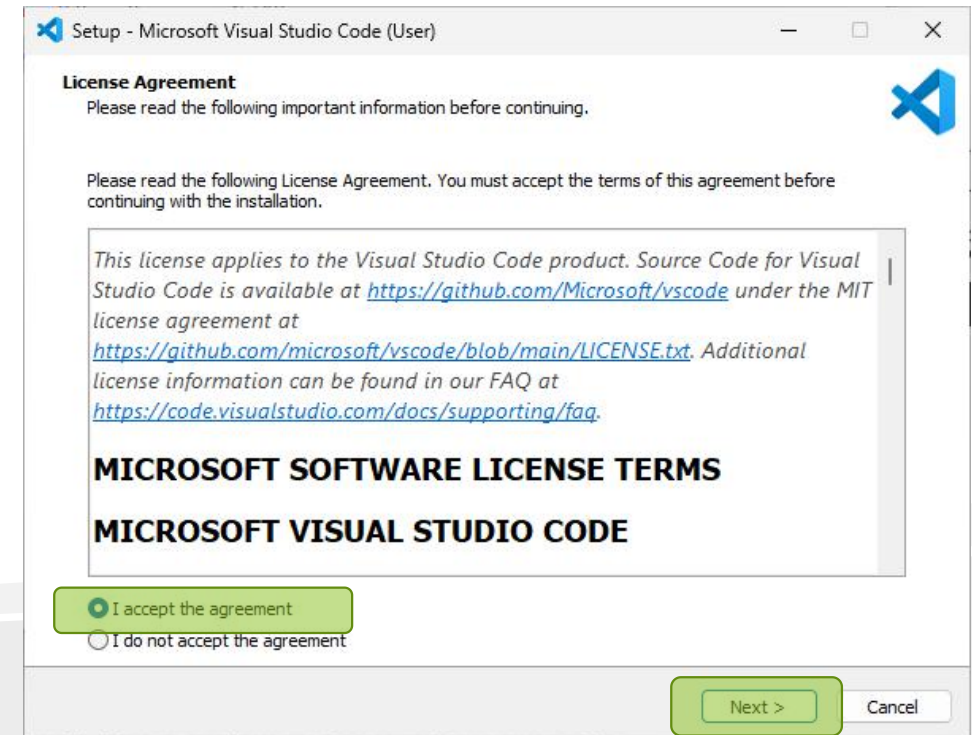
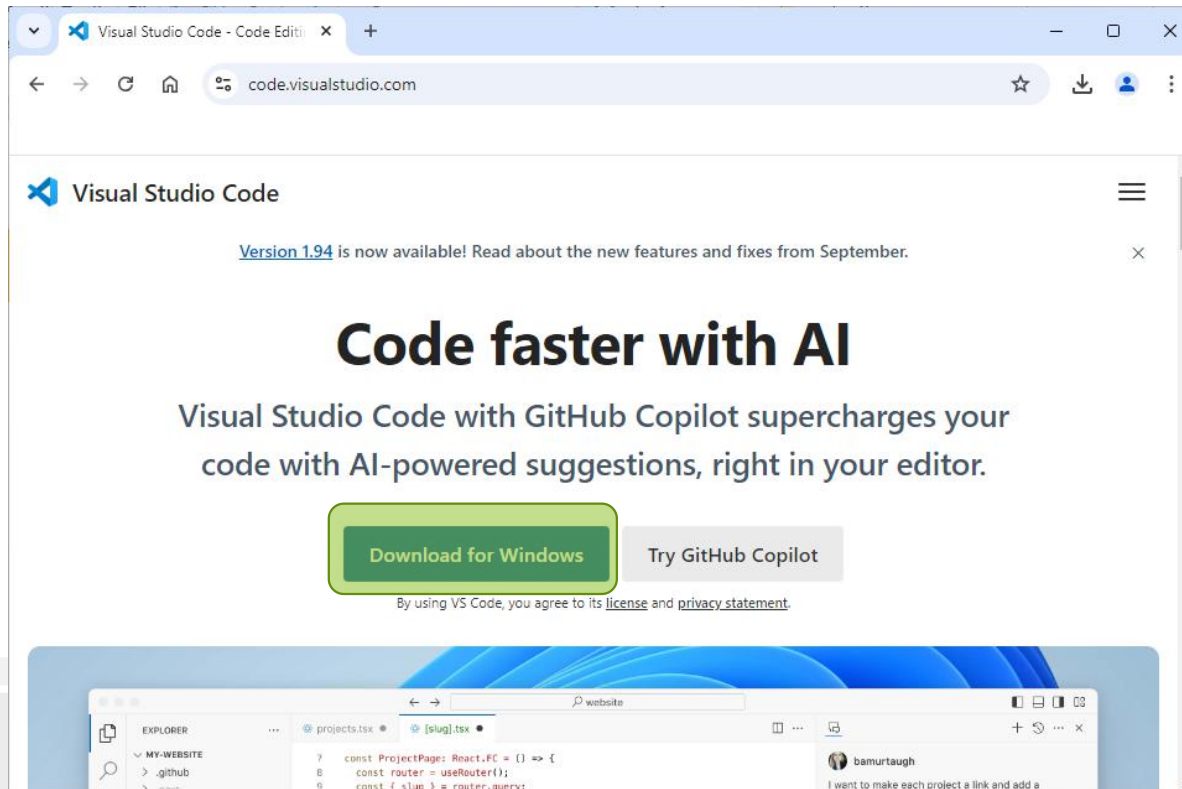
C:\Users\xuanpd>python
Python 3.13.0 (tags/v3.13.0:60403a5, Oct  7 2024, 09:38:07) [MSC v.1941 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

```
Command Prompt - python  X  +  v

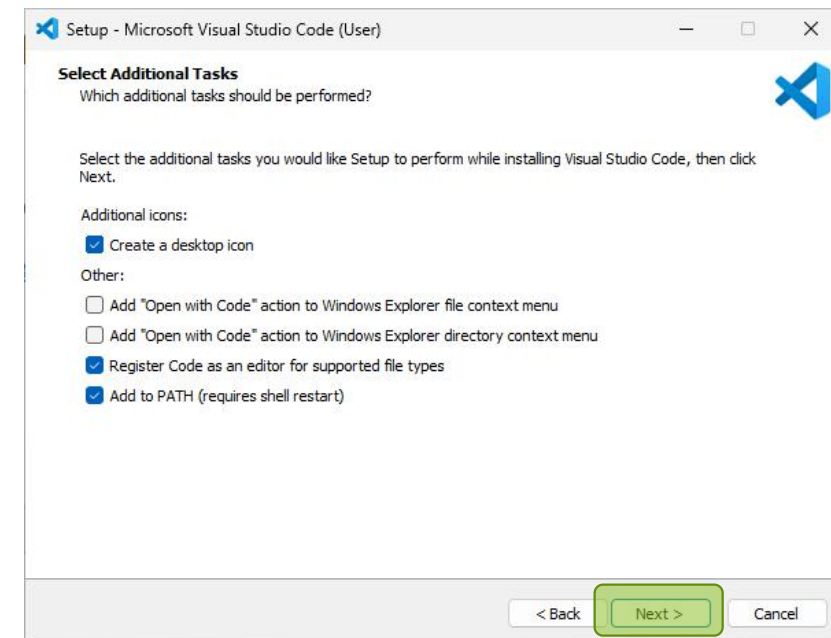
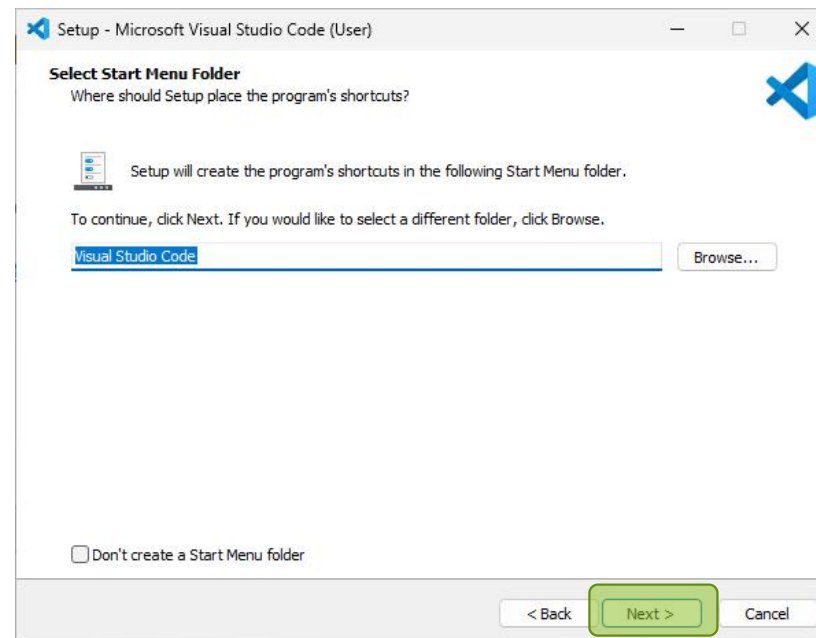
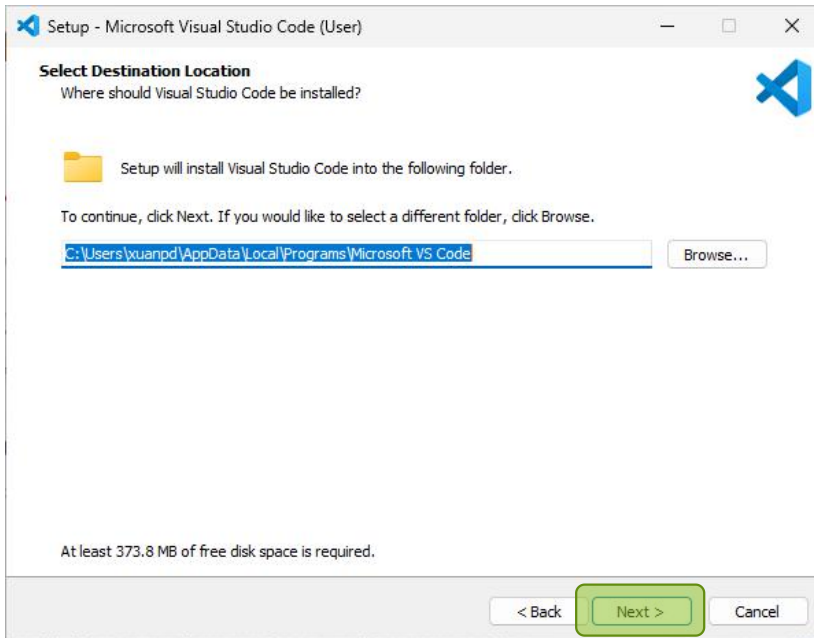
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Type "help", "copyright", "credits" or "license" for more information.
>>> print("Hello ")
Hello
>>>
```

2. Installing Visual Studio Code

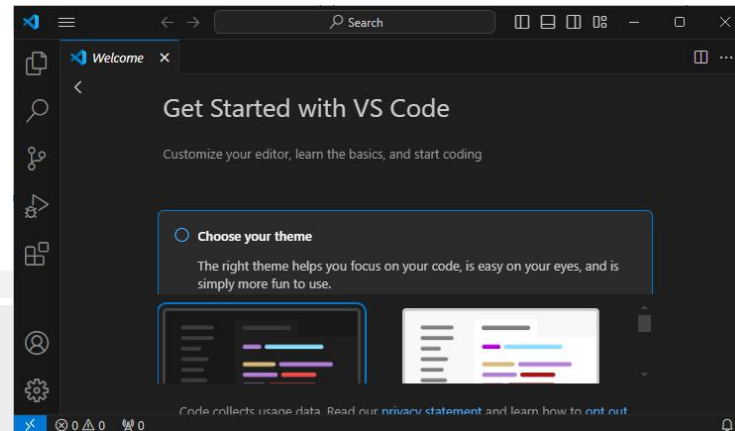
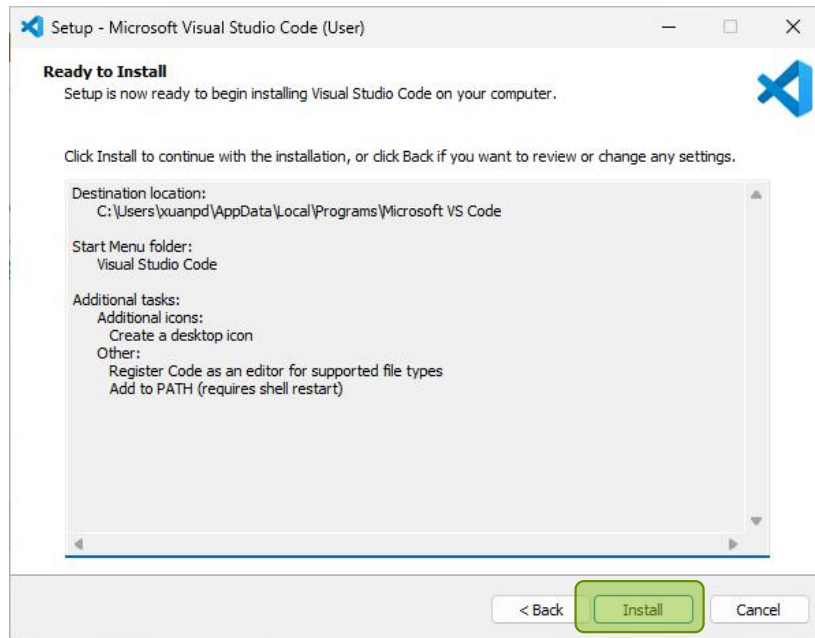
- Go to <https://code.visualstudio.com>, click the **Download for Windows** button to download the installer **VSCodeUserSetup-x64-1.94.2.exe**. Run the file to install Visual Studio Code.



2. Installing Visual Studio Code



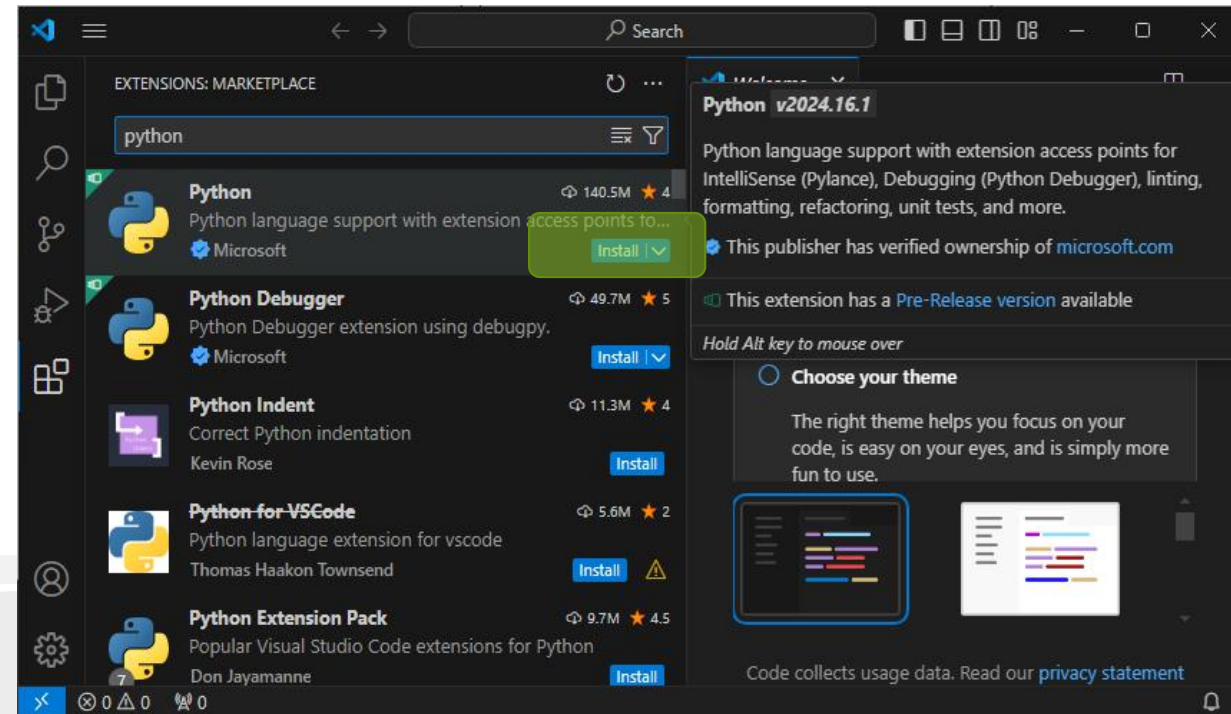
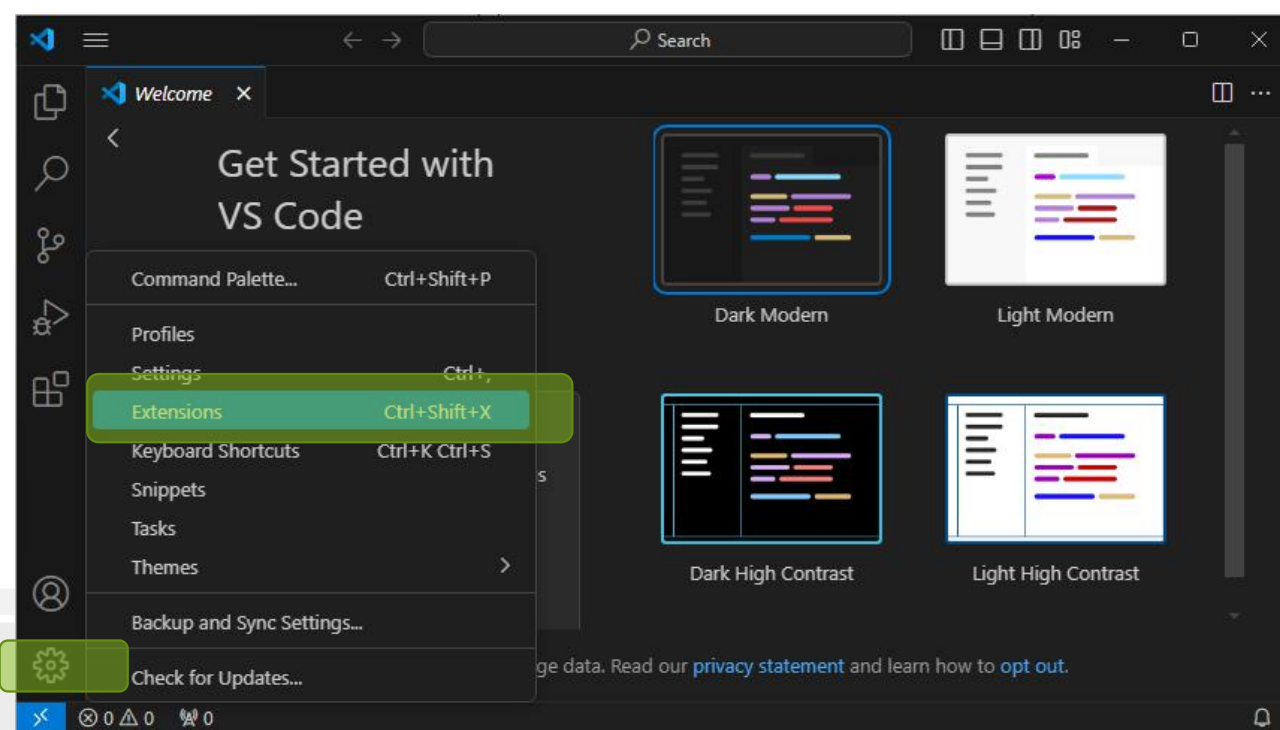
2. Installing Visual Studio Code



2. Installing Visual Studio Code

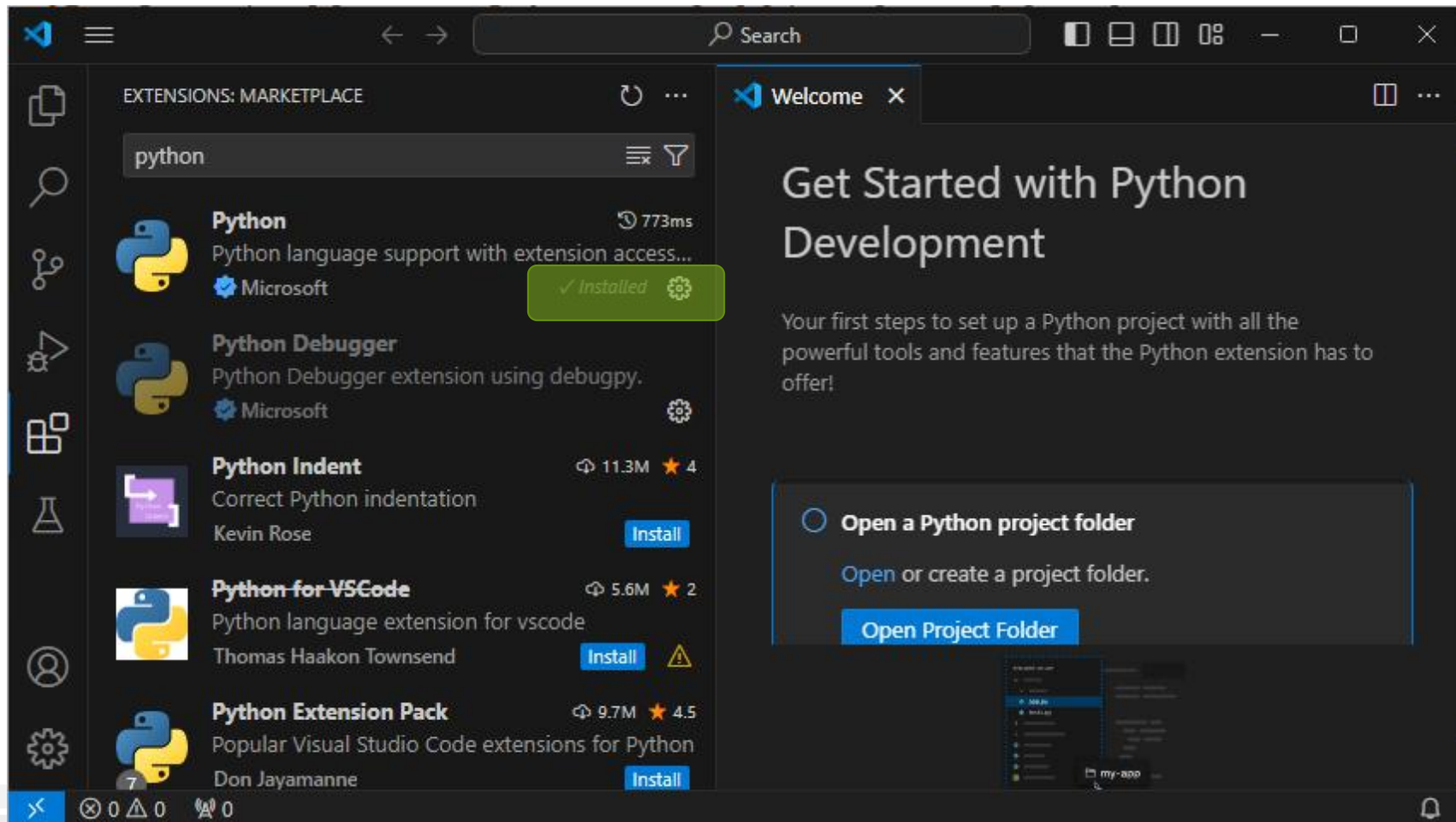
Installing the Python Extension for VS Code

- 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

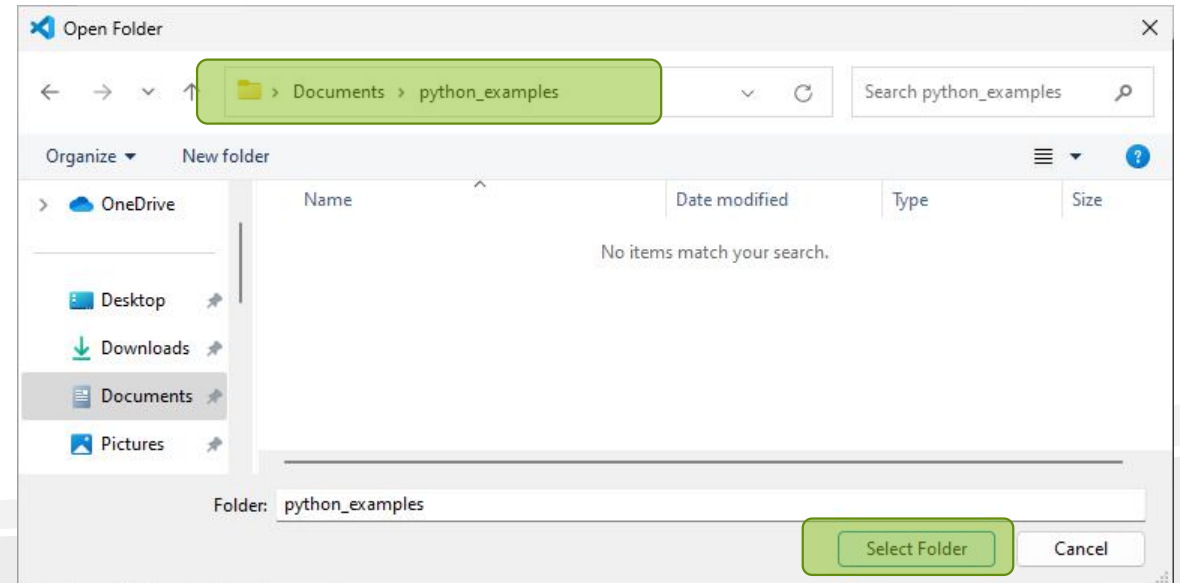
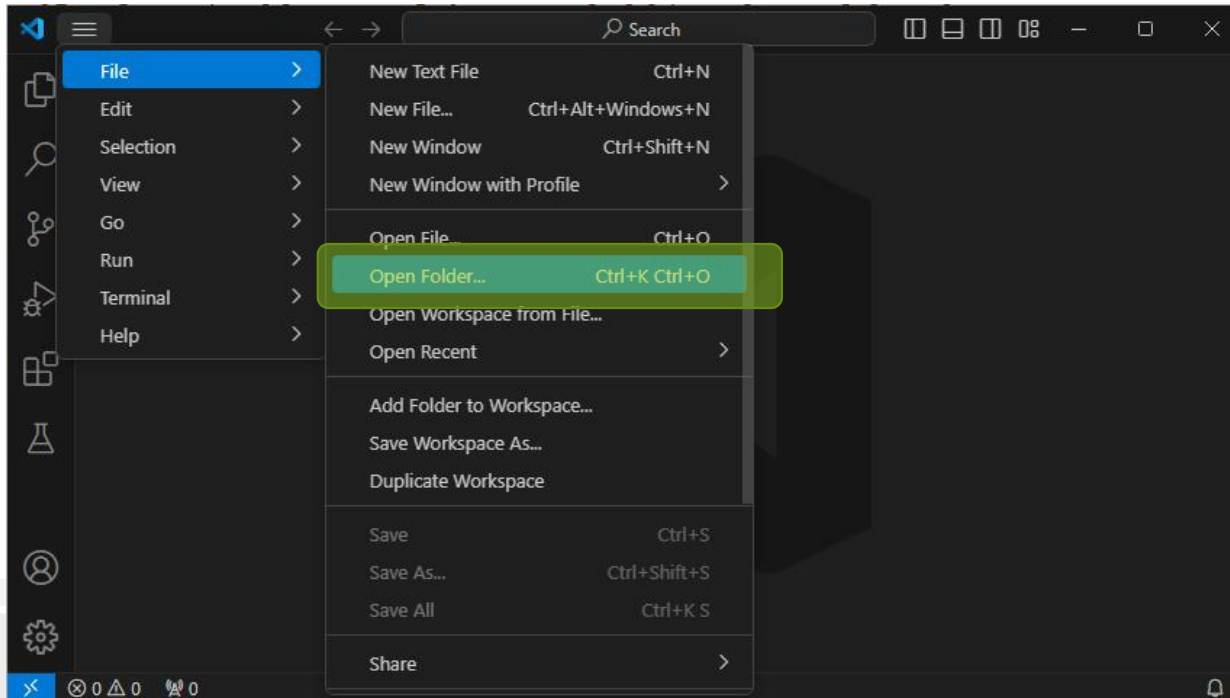
Installing the Python Extension for VS Code



2. Installing Visual Studio Code

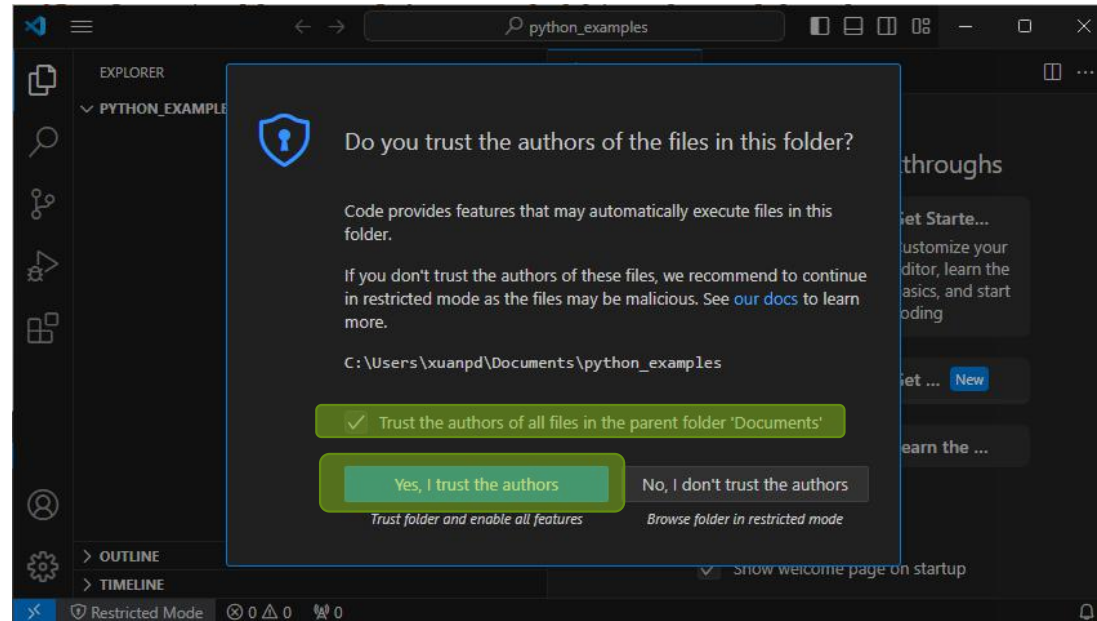
Create and Run hello.py

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



2. Installing Visual Studio Code

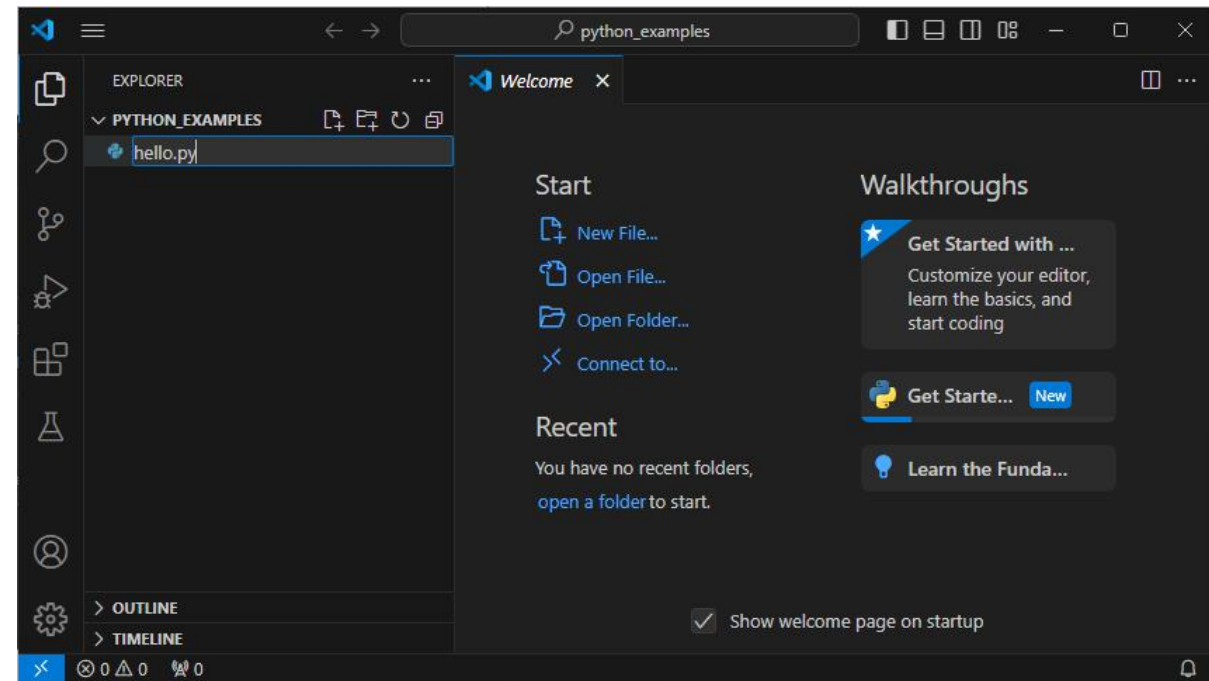
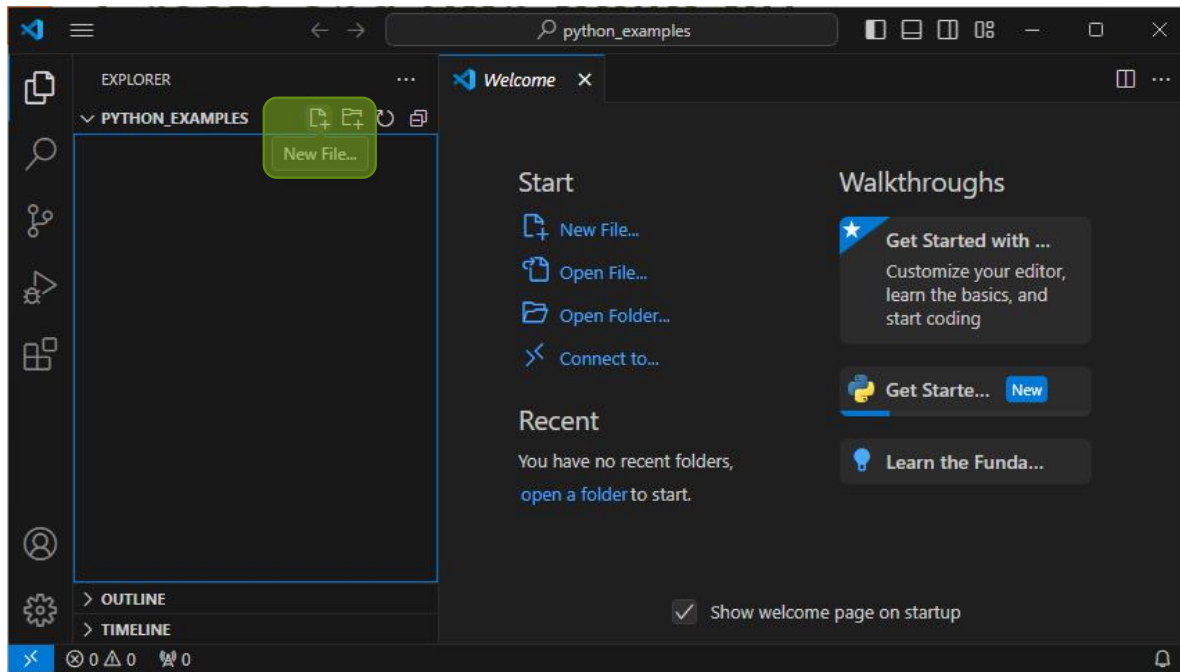
Create and Run hello.py



2. Installing Visual Studio Code

Create and Run hello.py

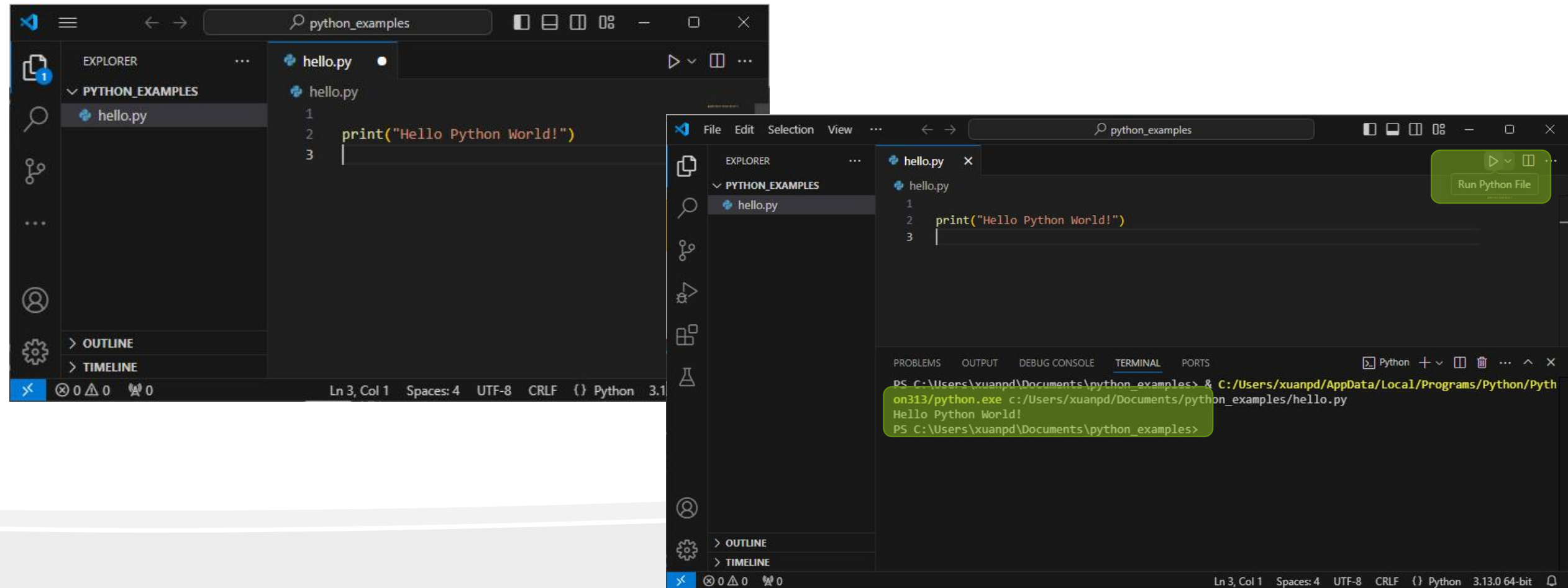
- Create **hello.py**



2. Installing Visual Studio Code

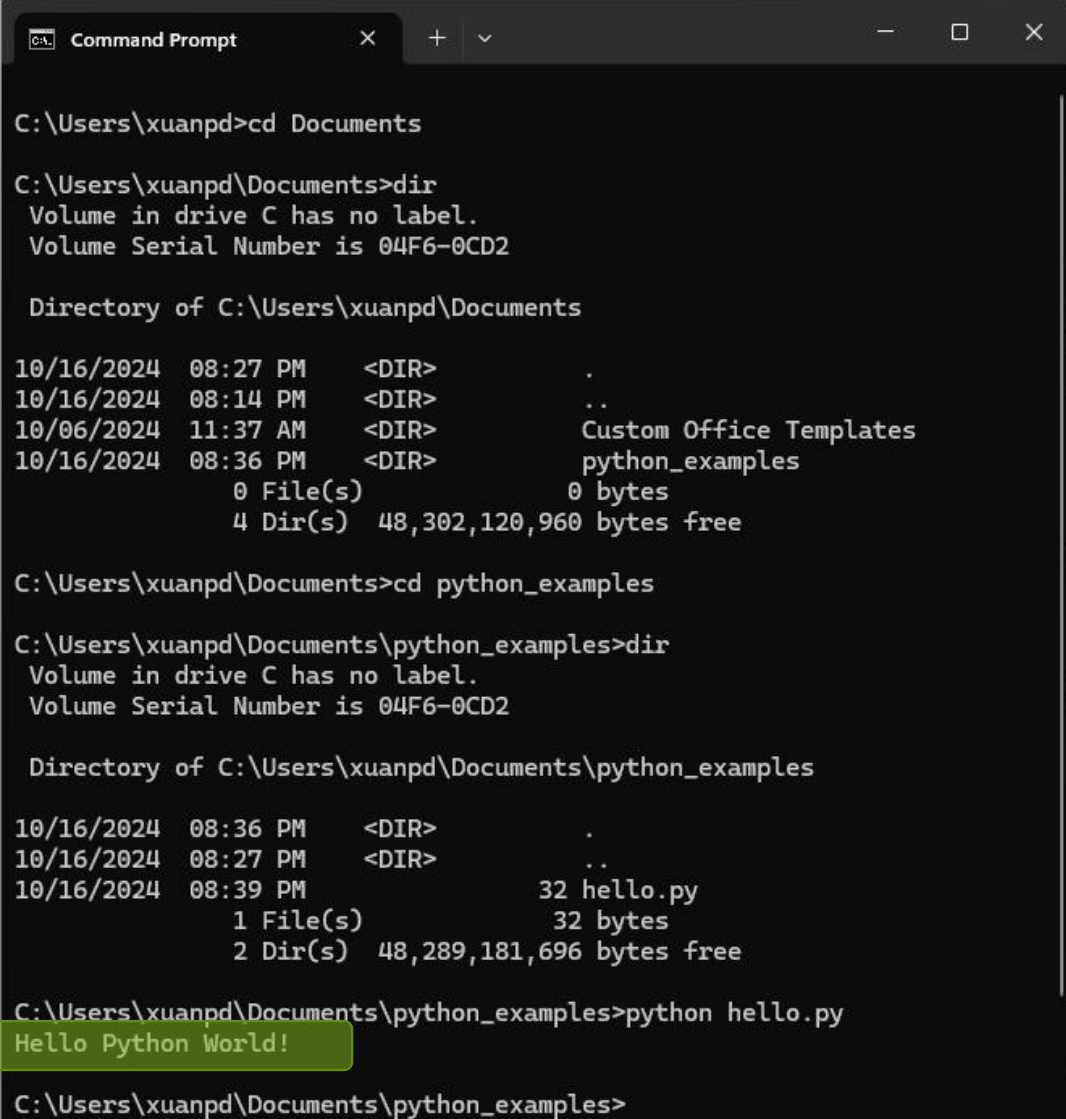
Create and Run hello.py

- 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>
```