

Installing Python and Python Packages

If you are using Windows, click on the following link to download Python 3.12.0:

<https://www.python.org/ftp/python/3.12.0/python-3.12.0-amd64.exe>

If you are using macOS, click the following link to download Python 3.12.0:

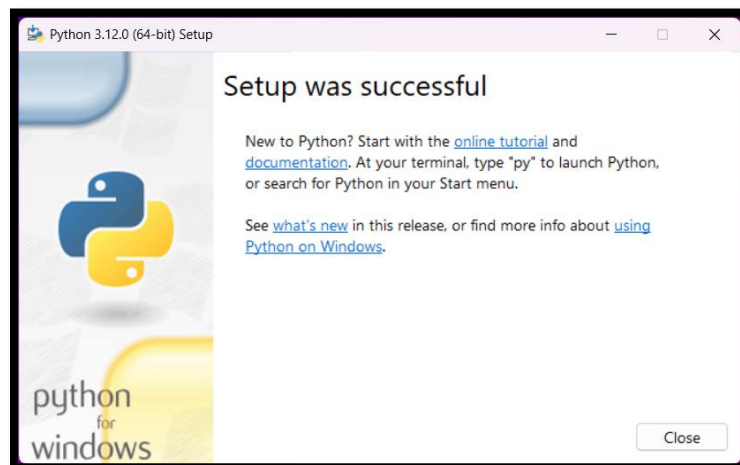
<https://www.python.org/ftp/python/3.12.0/python-3.12.0-macos11.pkg>

Run the executable once it has downloaded. The following window should pop up:



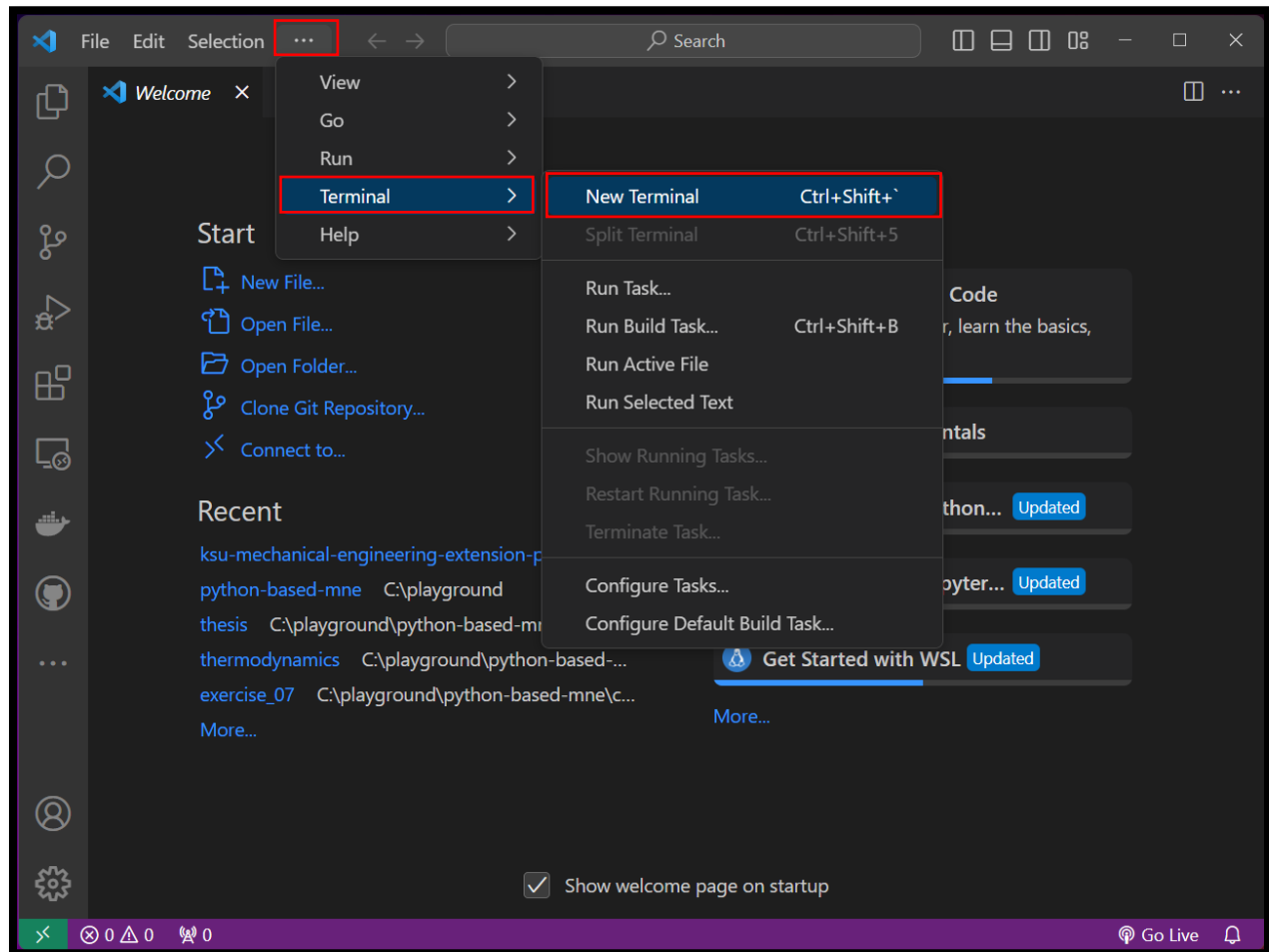
Make sure to check both “Use admin privileges . . .” and “Add python.exe to PATH” before clicking “Install Now.” Clicking “Install Now” will prompt the user for permission. Give permission and then wait for the installation to finish.

Once you see the following screen, Python has finished installing.

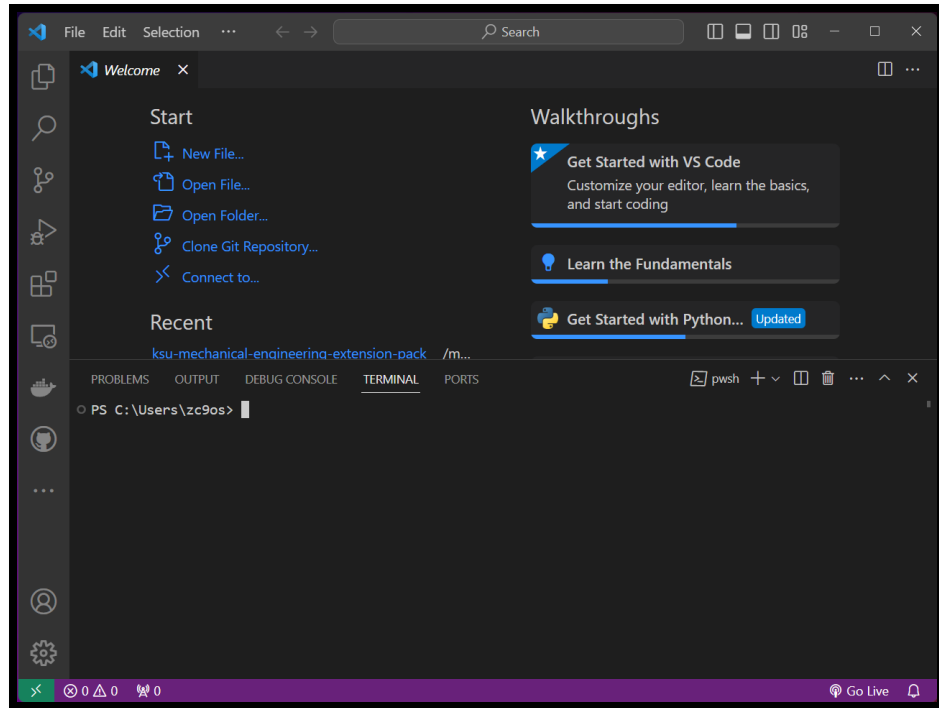


If you have not installed Visual Studio Code, please go follow the guide to install Visual Studio Code and then return here.

Inside Visual Studio Code, click on the three dots in the upper left corner, then Terminal, then New Terminal.



This will open a terminal on the bottom half of your screen, as seen on the following page.



Click into the terminal and paste the following line and then hit enter:

```
python --version
```

If a message saying “Python 3.12.0” is returned, then you can proceed to the next step. If not, Try restarting Visual Studio Code and any PowerShell or Terminal windows you have open. If it still fails, make sure you installed Python to your PATH.

Click into the terminal again and paste the following line and then hit enter:

```
pip install numpy scipy ipympl ipykernel matplotlib pandas pyromat control fluids ht  
mendeleev physdata
```

The terminal will print output while installing the packages. To check that the packages were installed, type:

```
pip list
```

And confirm that the package names above (from numpy to physdata) are all listed. After this step you are ready to use Python.