



Setting Up Python Programming Environment

1. Step

Python programming needs external environments for your code run. For this reason, Python Society is providing free applications for us to write code inside of the computer.

[Python Web Site Link](#)

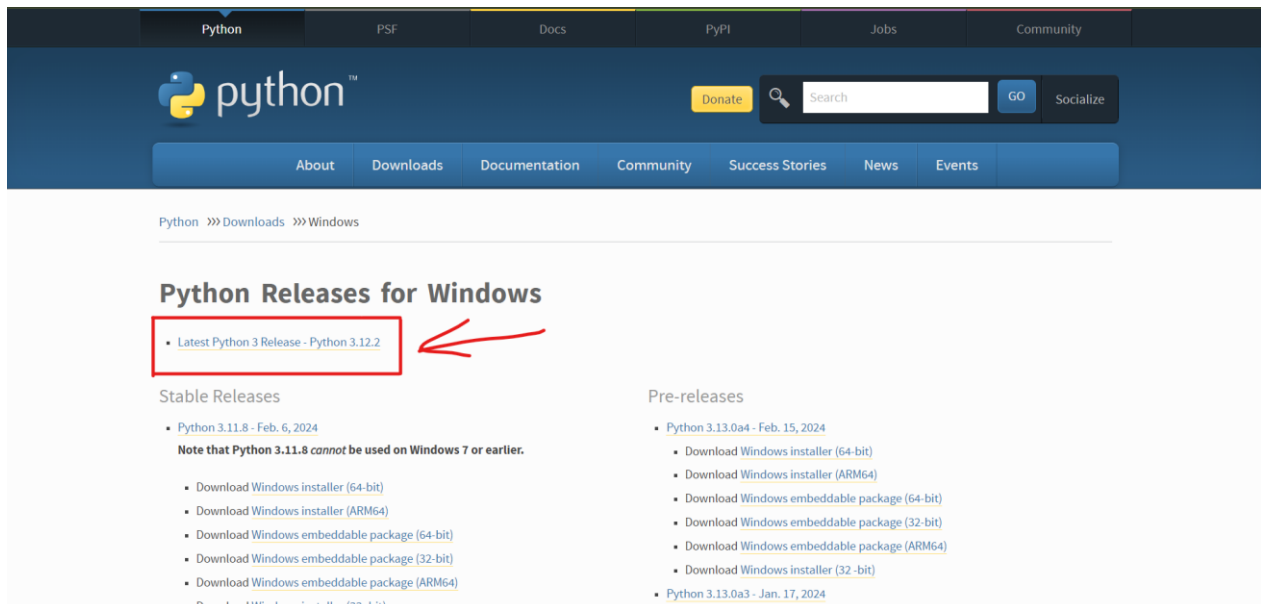


Figure 1

Figure 1 shows the Python Downloading page. The Red arrow shows the latest version of Python. Please Download the latest version of Python. When you click on this link. The link forwards you to the next page. After that, scroll down. You will find the Files in Figure 2. Please choose a suitable file for the Operating System. (Windows, MacOS, etc.)

More resources

- [Online Documentation](#).
- [PEP 693](#), the Python 3.12 Release Schedule.
- [Report bugs via GitHub Issues](#).
- [Help fund Python directly or via GitHub Sponsors](#), and support the Python community.

[Full Changelog](#)

Files

Version	Operating System	Description	MDS Sum	File Size	GPG	Sigstore	SBOM
Gzipped source tarball	Source release		4e64a004f8ad9af1a75607cfd0d5a8c8	25.9 MB	SIG	.sigstore	SPDX
XZ compressed source tarball	Source release		e7c178b97bf8f7ccd677b94d614f7b3c	19.6 MB	SIG	.sigstore	SPDX
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later	f88981146d943b5517140fa96e96f153	43.5 MB	SIG	.sigstore	
Windows installer (64-bit)	Windows	Recommended	44abfae489d87cc005d50a9267b5d58d	25.4 MB	SIG	.sigstore	
Windows installer (ARM64)	Windows	Experimental	f769b05cd9d336d2d6e3f6399cb573be	24.7 MB	SIG	.sigstore	
Windows embeddable package (64-bit)	Windows		ded837d78a1efa7ea47b31c14c756faa	10.6 MB	SIG	.sigstore	
Windows embeddable package (32-bit)	Windows		787d286b66a3594e697134ca3b97d7fe	9.4 MB	SIG	.sigstore	
Windows embeddable package (ARM64)	Windows		1ffc0d4ea3f02a1b4dc2a6e74f75226d	9.8 MB	SIG	.sigstore	
Windows installer (32-bit)	Windows		bc4d721cf44a52fa9e19c1209d45e8c3	24.1 MB	SIG	.sigstore	

Figure 2

Webpage is automatically downloads the document. After that, Click the file. You will see the Install Page in front of you in Figure 3.

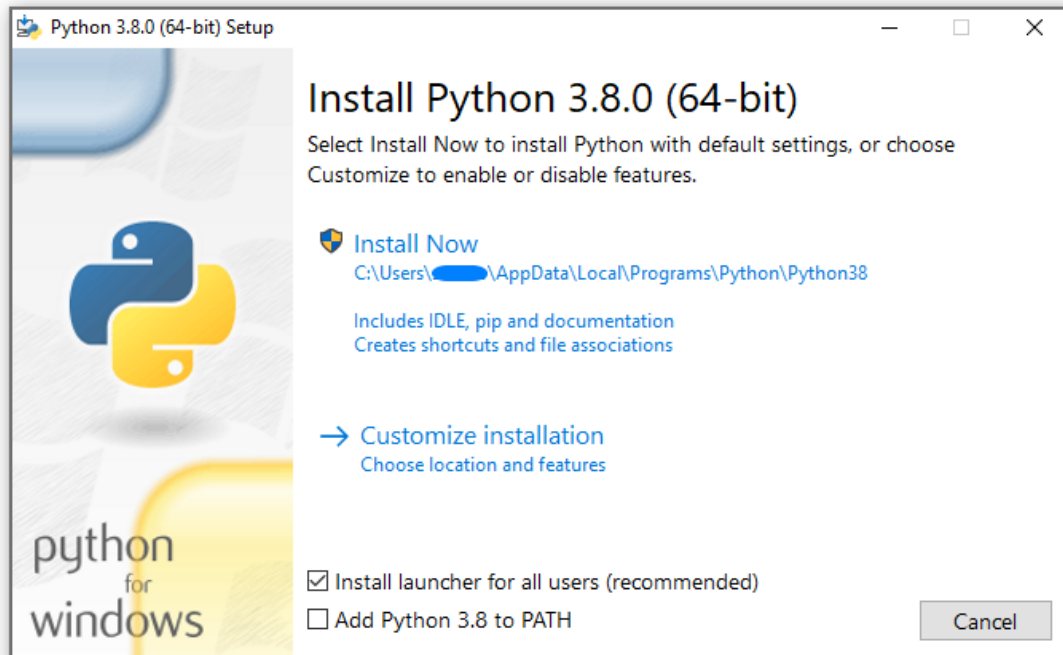


Figure 3

System will install Python on your computer. Before that, You have to choose some specific tools and directories that save Python applications inside of your computer (Look at Figure 4).

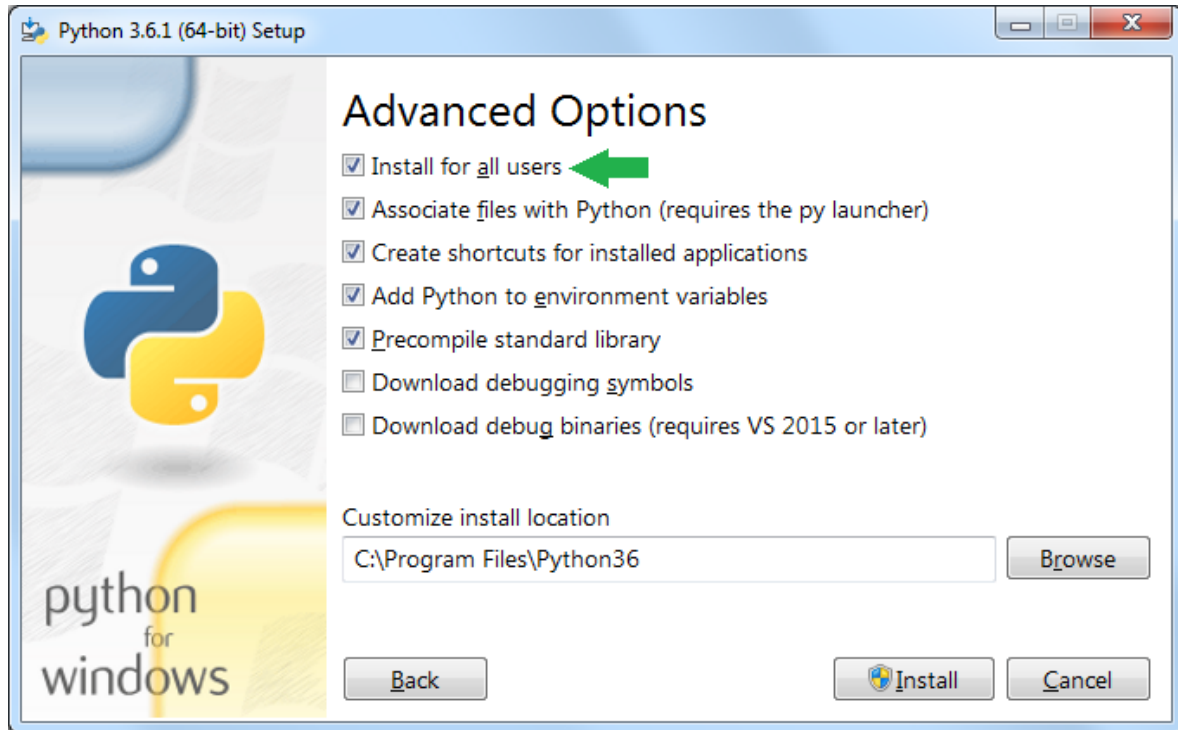


Figure 4

After that, you don't need any setup for it. The system will install and set up Python on your computer.

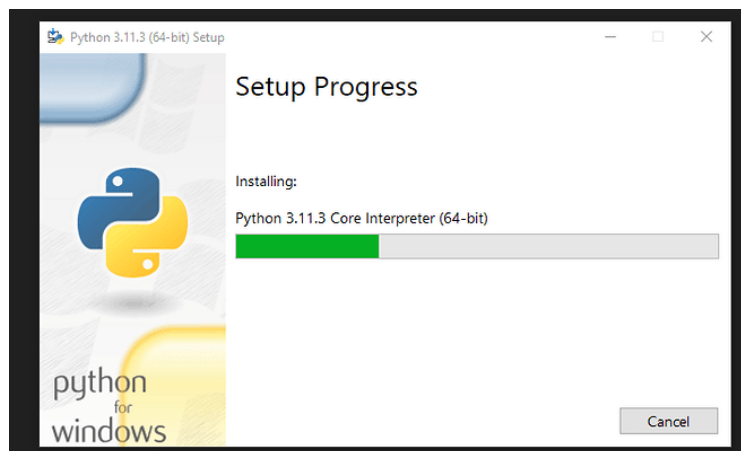


Figure 5

2. Step

First Step for integration of Python Application inside of your Operating System. For the second step, we need an environment for writing code. Such as Visual Studio Code and it's free application. Because such an environment helps us with good management and better visualization for writing code.

[Microsoft Visual Studio Code Link](https://code.visualstudio.com/Link)

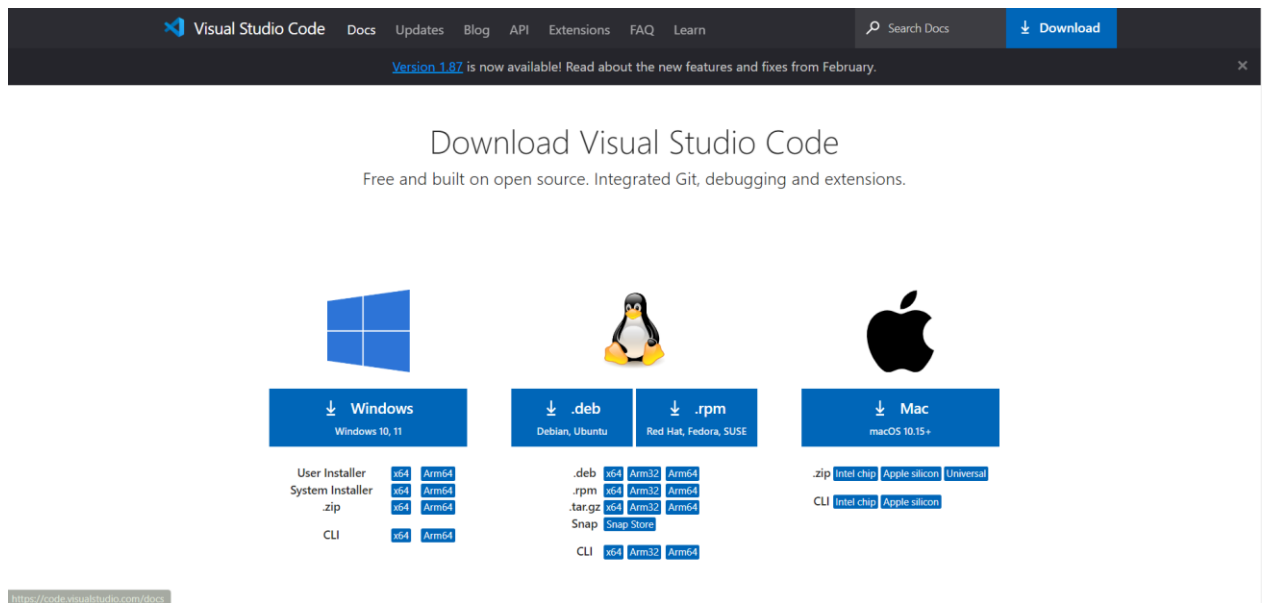


Figure 6

Choose the best versions of your computer operating system as in Figure 6. Webpage automatically will download the application. You will see the first step of the install page in front of you as in Figure 7.

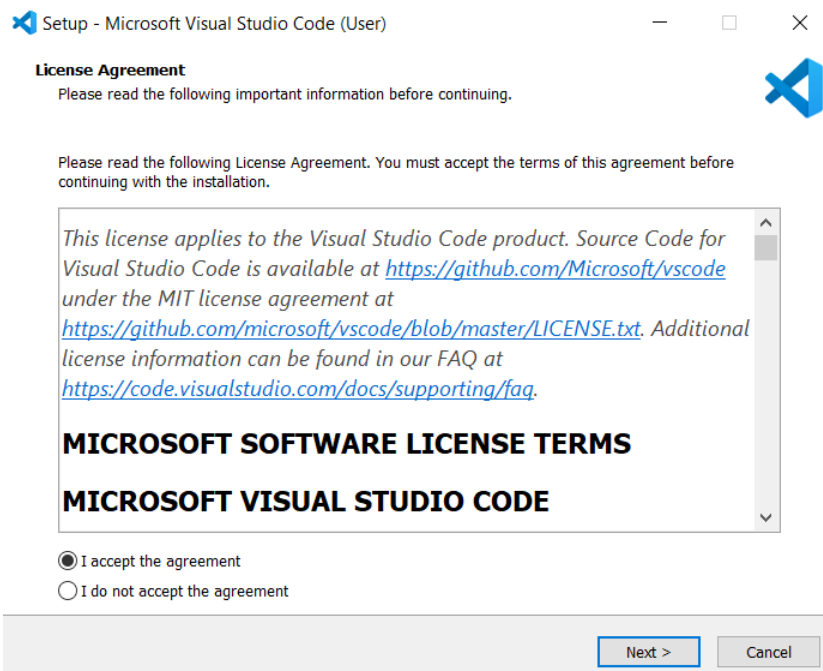


Figure 7

Accepted the agreement and click the next. Setup the some tools for next step as in Figure 8.

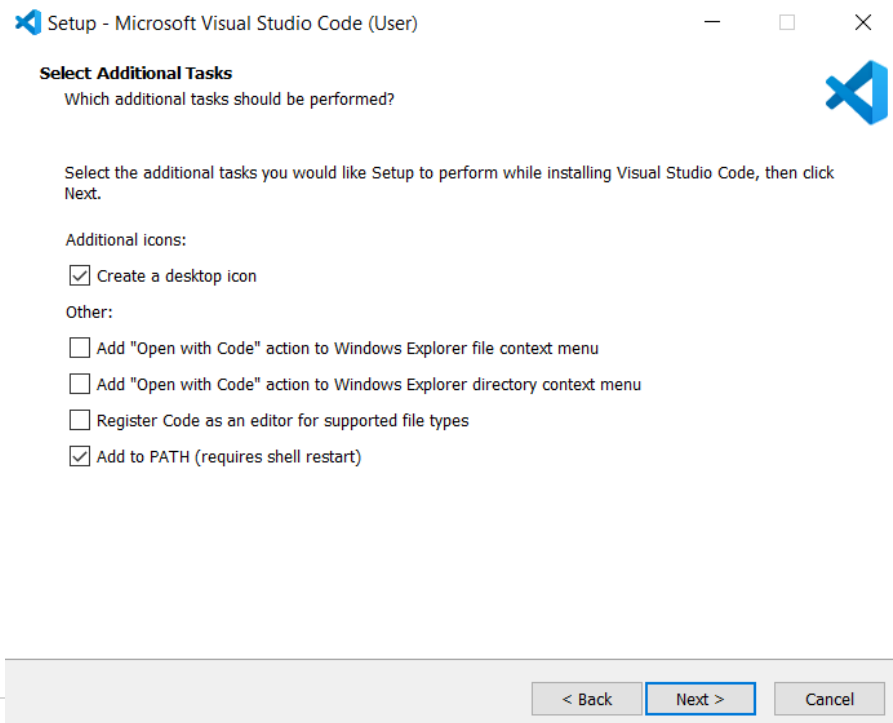


Figure 8

Application is installed when you choose these tools and the Computer will open the application after the installation as in Figure 9.

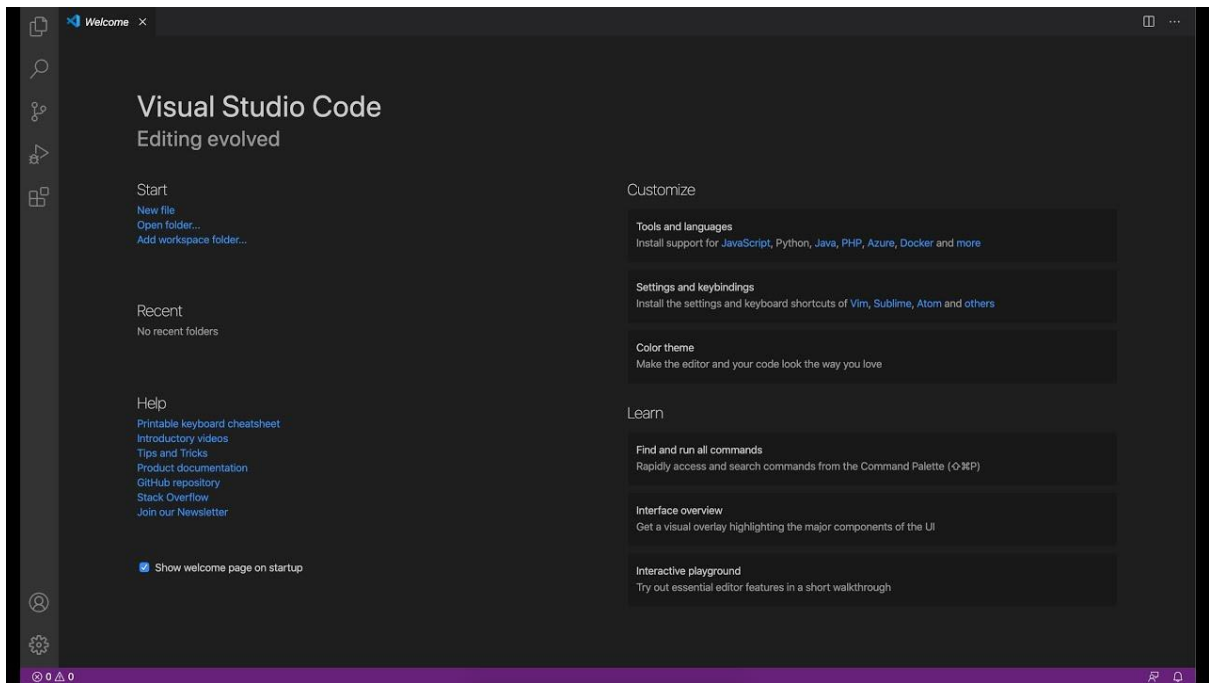


Figure 9

Before the writing code, you have to download the last Python tools inside of the Visual Studio Code as Figure 10.

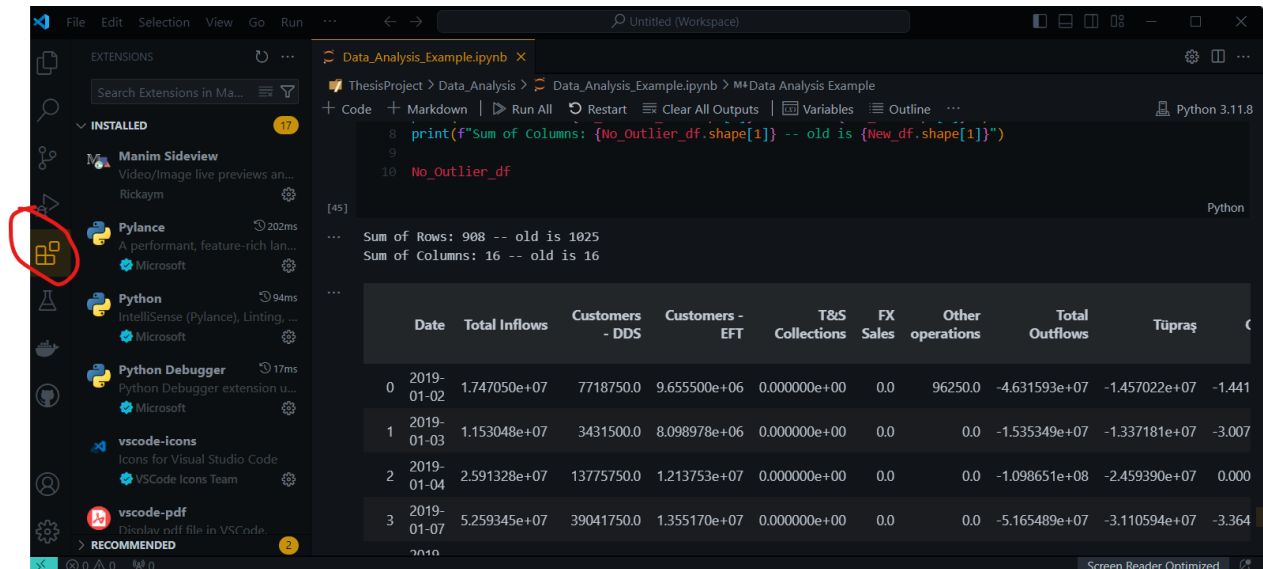


Figure 10

You successfully download the Python Environment!!!!

For More Information:

- [Python Application and Visual Studio Code Downloading](#)
- [Install Jupyter Notebook in VSCode](#)