

# Software Installation (DIY)

## Objectives

- Install Firefox (optional)
- Install Python software
- Install Pygame
- Install Vpython

## What is your machine drinking?

Before we begin, let's just say that we're assuming you're using a 64-bit Windows machine.

If you don't know what I'm talking about, then I'm 99% sure you are using a Windows machine ... and you're in luck!

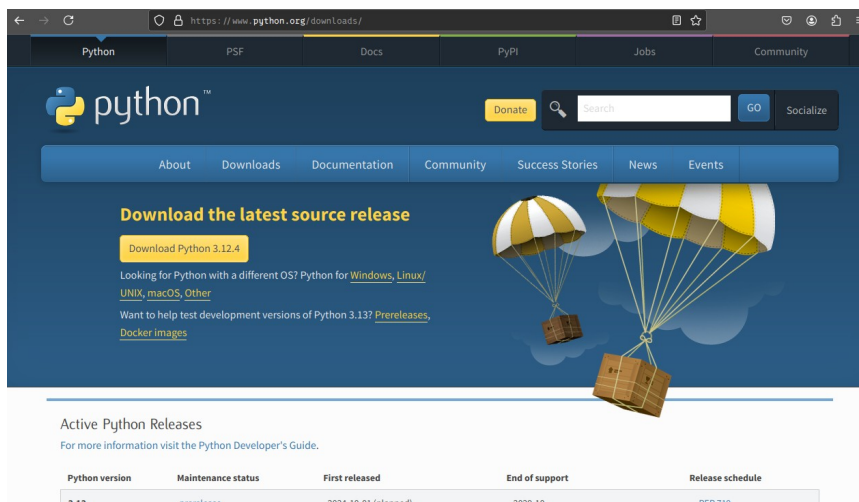
For the rest of you Mac and Linux/FC folks ... **you're on your own!**

... just kidding. We'll try to help.

## Installation of Firefox

This section is optional.

My favorite browsers are Firefox (**FF**) and Chrome. You may use Microsoft Edge (**Edge**). The only reason why I'm bring this up is because if I do a screen shot of the browser you will very likely see FF:

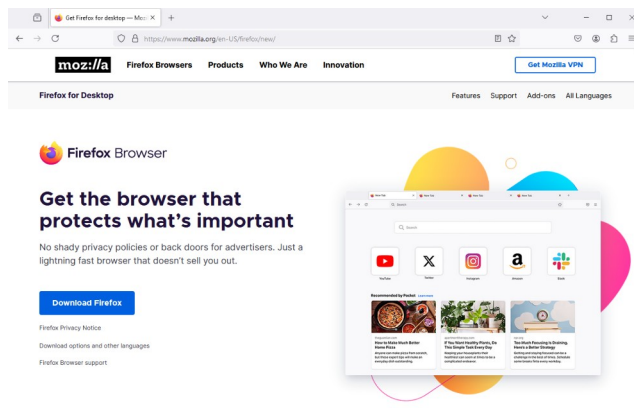


**Why am I not telling you the URL of Firefox's home page? Because you should learn to hunt for things on your own.**

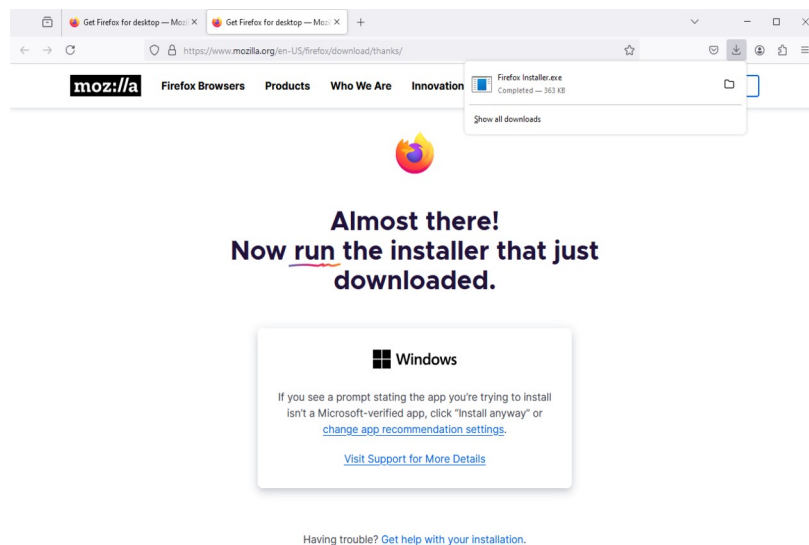
FF, Chrome and Edge are probably instead installed in your laptop. If FF is not installed in your laptop and you wish to try out FF follow the given instructions ...

If you're comfortable looking for and installing software, all I need to tell you is to look for FF and install it. If you feel uncomfortable about that, please read on.

First open your IE. Go to "www.google.com". Search for "Firefox". Click on the link that gives you the home page of FF (it should be the first). FF's home should look like this:



Click on “Download Firefox” and you should see this:



Run the installer program. Follow the instructions. To run the installation program manually, you need to double-click on this icon.

In general, during the installation process you accept the default choices. You usually do that by clicking on “Next”. You might need to agree with some license agreement. When you're done you probably have to click on “Finish”. On your Desktop you will see

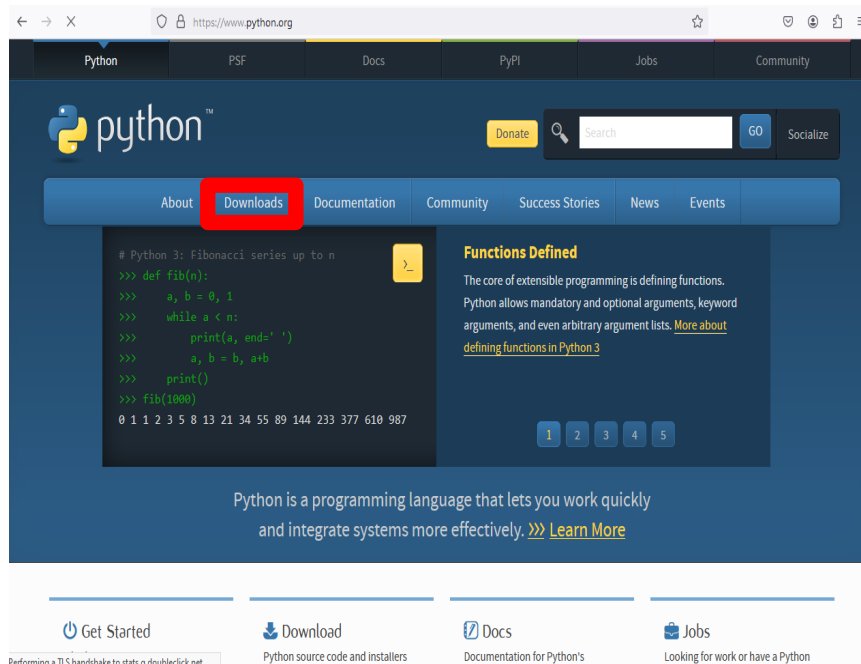


You double-click on this icon to run firefox. Of course after you're done installing FF, you can get rid of the installation program.

## Installation of Python

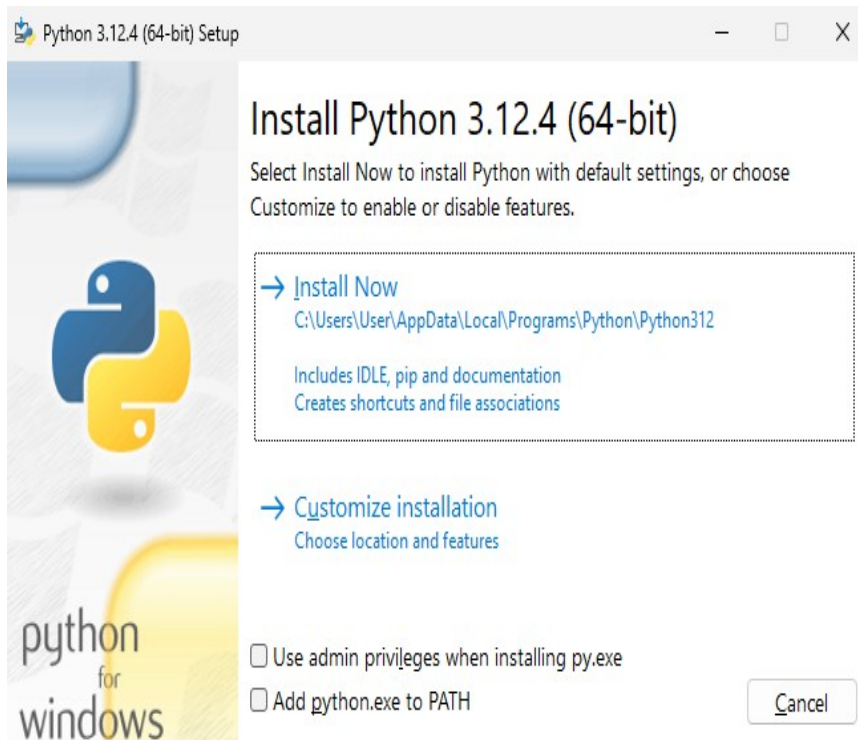
The Python software does not come with your PC or notebook by default if you're using the Windows operating system. Here's how you make your PC understand Python.

First you need to find the home page of Python. Google for “python” and find it. It should look like this:

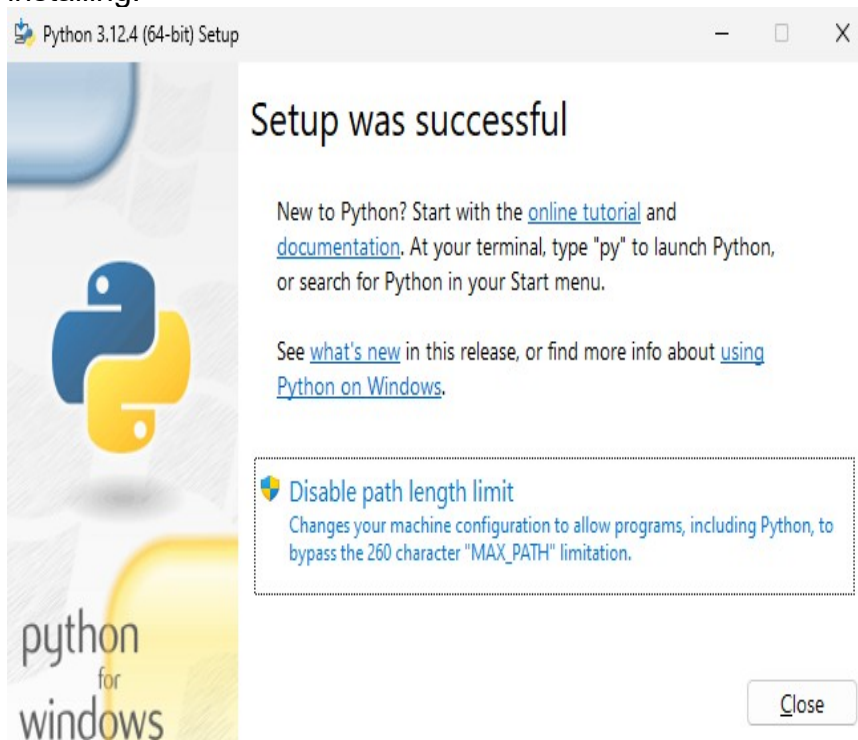


Hover mouse over Downloads, and click the “Python 3.12.4” link under “Download for Windows,” to install Python 3.12.4.

This will download the python installation setup, which, when opened, will look like this:



Click on “Install Now” and you will see this after it’s done installing:

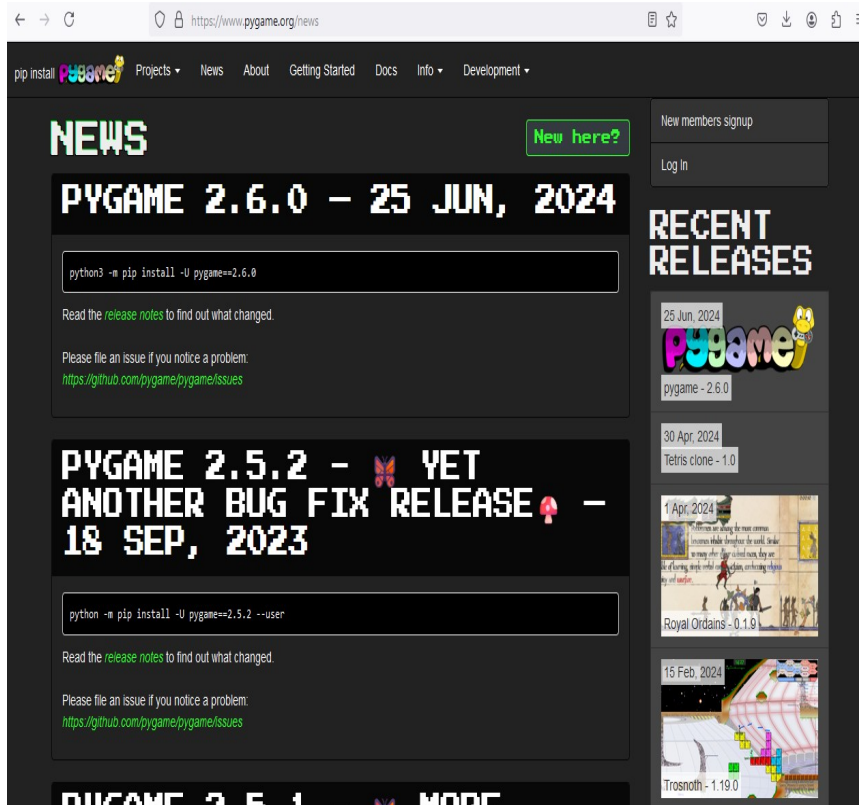


Click on “Close” ... and you're done! You now have the Python software on your computer.



## Installation of PyGame

PyGame is a Python library for game development. First Google for “pygame” to find PyGame's home page. Next, click on “Downloads” on the left side bar of the home page. The link you want to click on is labeled pygame-1.7.1release.win32-py2.5.exe. [NOTE ADDED 2011: The latest version is now 1.9.1.]



(The win32 tells you that it's for a 32-bit Windows system and the py2.5 tells you that it works with Python 2.5.x)

The rest should be easy.

Keep pressing “Next” to proceed to the next stage; you might have to do this several times. When the installation is complete, you will be prompted to press “Finish”.

## Installing VPython

OK. You should be able to do this with minimal help by now ...

**Install VPython!**