

# PYTHON INSTALLATION GUIDE.

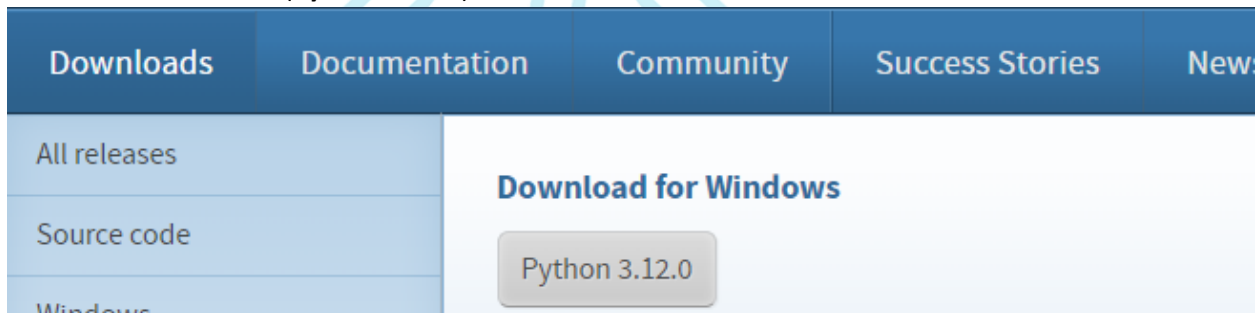
In this guide we will learn how to install Python and VS Code / PY Charm on Windows 10.

Note: I will be using VS Code for my case, but you can work with PY Charm as well and both are perfectly OK. Jupyter Notebook, we will install later.

Also Note: First decide if you are using Python with VS Code or with Py Charm. Then follow the steps accordingly. **Read completely before you begin installing.**

## Installing Python

1. Go to Python website <https://www.python.org/> and in the download menu click on the Python current version button (**Python 3.12.0**).



2. This will download Python on your device.
3. Now run / open the downloaded setup (.exe) file and let the setup begin
4. In the window that appears first, must check **Use admin privileges when installing py.exe**
5. Also must check **Add python.exe to PATH**
6. Click on CUSTOM INSTALLATION option.
7. In the Optional Features window, keep everything checked and click next.
8. In the Advance Options window, also check **Install Python 3.12 for all users** (your version might be different here).
9. Look for these options, they should be checked:

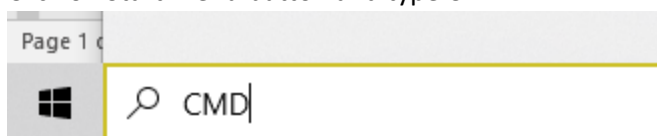
### Advanced Options

- ☒ Install Python 3.12 for all users
- ☒ Associate files with Python (requires the 'py' launcher)
- ☒ Create shortcuts for installed applications
- ☒ Add Python to environment variables
- ☒ Precompile standard library

10. Click on Install to and wait for the installation to complete.

## Verifying Installation

1. Click on Start Menu button and type CMD



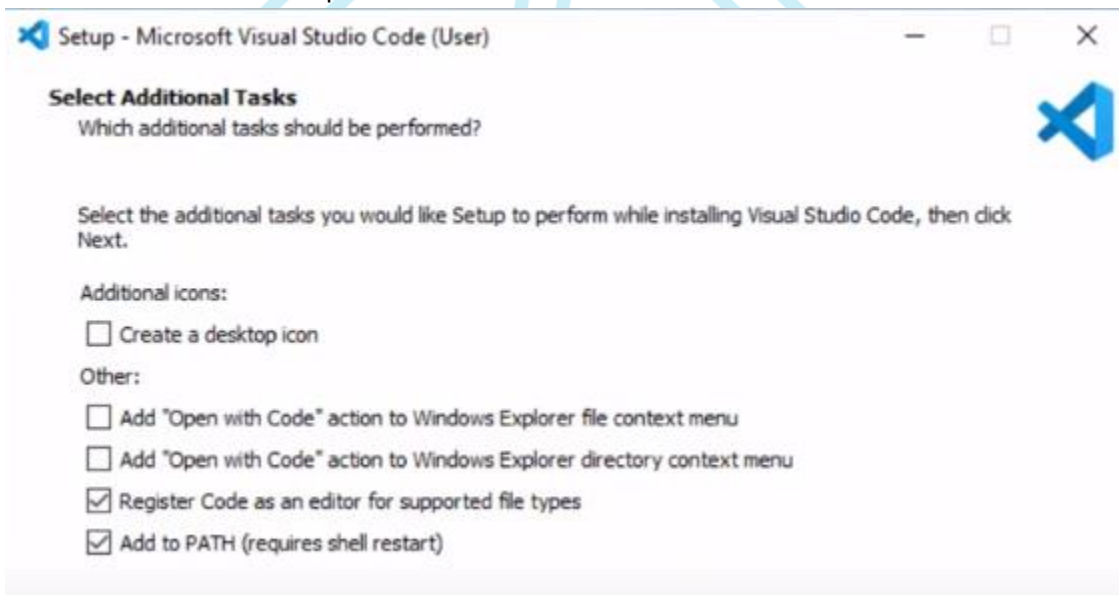
2. Click on open / Command Prompts to open it.
3. Type this line to verify: **python --version** and press enter.
4. You should see Python Version, if so, Python is installed.

```
C:\Users\DELL>python --version
Python 3.12.0
```

Additionally, you can type **py** in command prompt or search **IDLE** in windows search bar and opening it to test run printing a Hello World Message. (Try it!)

## Installing VS Code

1. Go to the link: <https://code.visualstudio.com/download> and download the latest version of VS Code for your operating system.
2. Click on the downloaded file to begin the installation.
3. Let the normal installation process run. Just make sure that



Add to PATH option is checked.

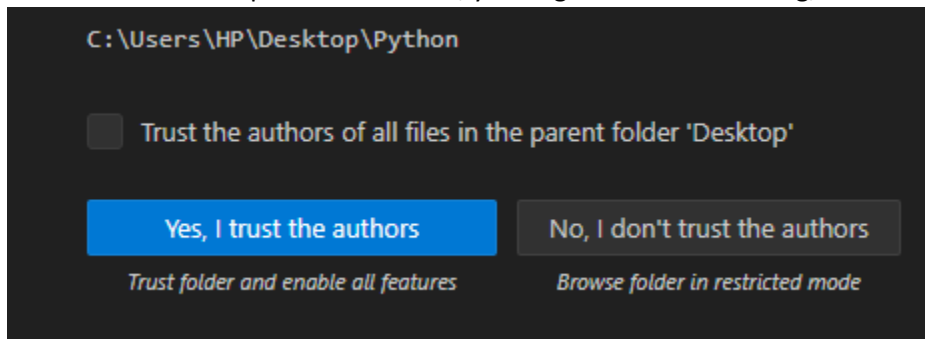
4. Complete the installation and Run the program.
5. If the program opens, VS Code is successfully installed.

## Setup Python on VS Code:

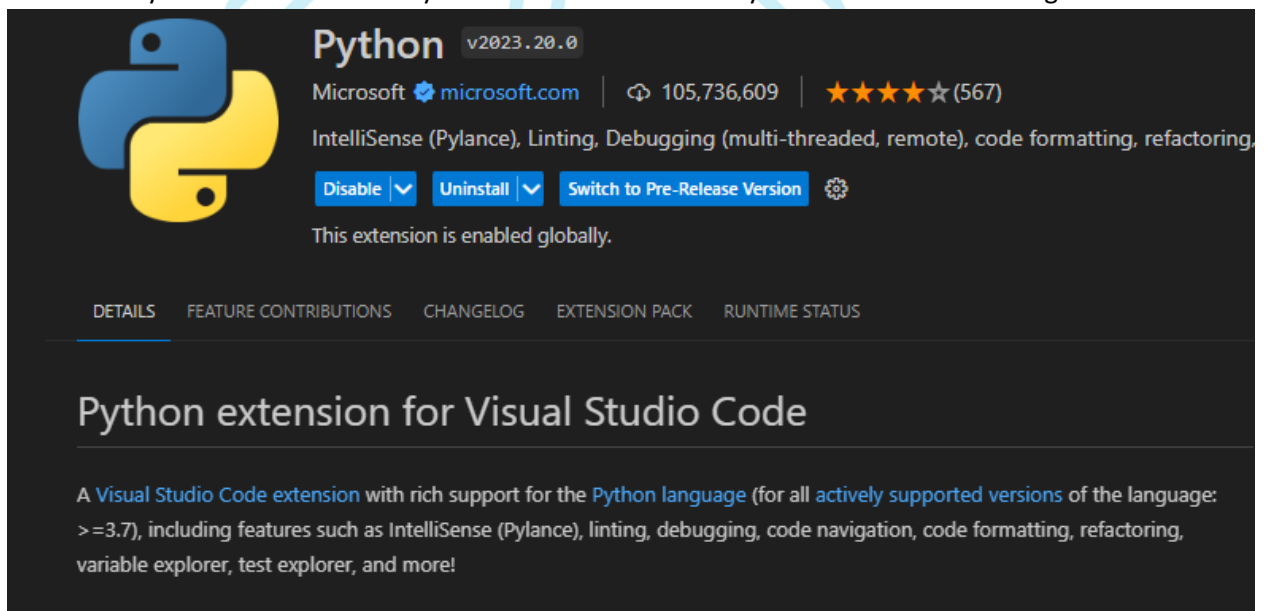
When you have successfully installed both.

1. Create a folder anywhere in your PC / Laptop.
2. Run VS Code and Open the Folder you just created. (**File > Open Folder**)

- When the folder is opened in VS Code, you might receive a warning, click on **I trust the Author**.



- Then right click on the folder name (that you opened in step 2) and click on new file, name it main.py (or any name but followed by **.py** extension).
- As soon as you create the file, you might receive an update telling you to install Python Extension. Click the install button.
- Alternatively, you can click on the extension icon on the left side and search for **Python** and install the Python extension. Once your installation is finished you should see something like this



- VS Code is now configured to work with Python as well.
- You can check by writing a **print("Hello World")** code, saving it and running in (**press f5**). The terminal would open and your program will run.

Check this video for complete guideline:

<https://www.youtube.com/watch?v=1R2jI0jYqOM>

### **For PY Charm Installation:**

<https://www.youtube.com/watch?v=6a2cSXgooDo>