

# Setup Python Development Environment

## Windows


### Install Python

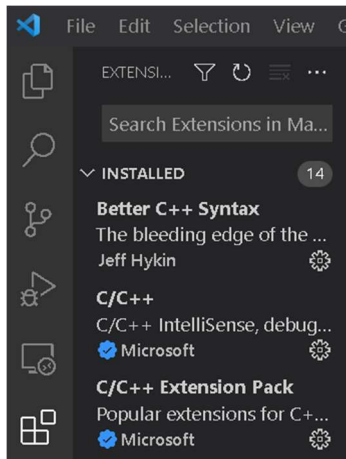
1. Go to <https://www.python.org/downloads/>
2. Download Python 3.10.2
3. Click on the python-3.10.2-amd64.exe file to install Python
4. Accept the install default settings, click next until Python is installed.

### Install Visual Studio Code

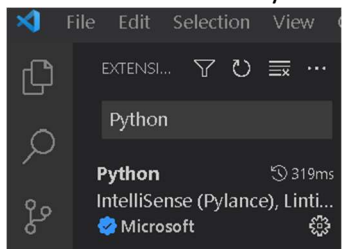
1. Go to <https://code.visualstudio.com/download>
2. Download the Windows Version
3. Click on the VSCodeUserSetup-x64-1.63.2.exe file to install Visual Studio Code
4. Accept the default settings, click next until the installation is complete

### Install Visual Studio Code Python Extension

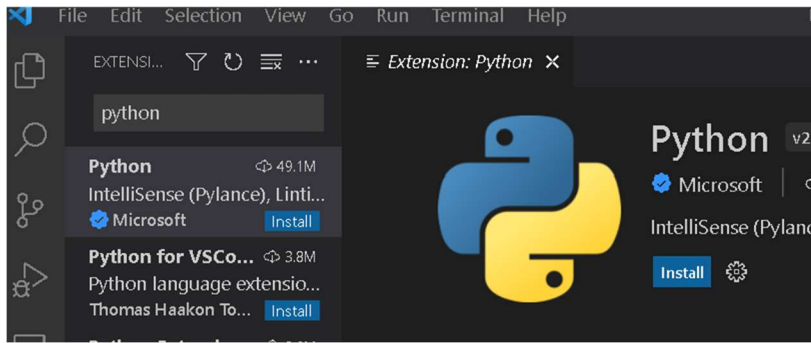
1. Open Visual Studio Code
2. Open the Extensions dialog: from the far left panel, click on the Extensions icon  or type Ctrl Shift X



3. In the Search Extensions edit box type Python
4. Select the Microsoft Python extension

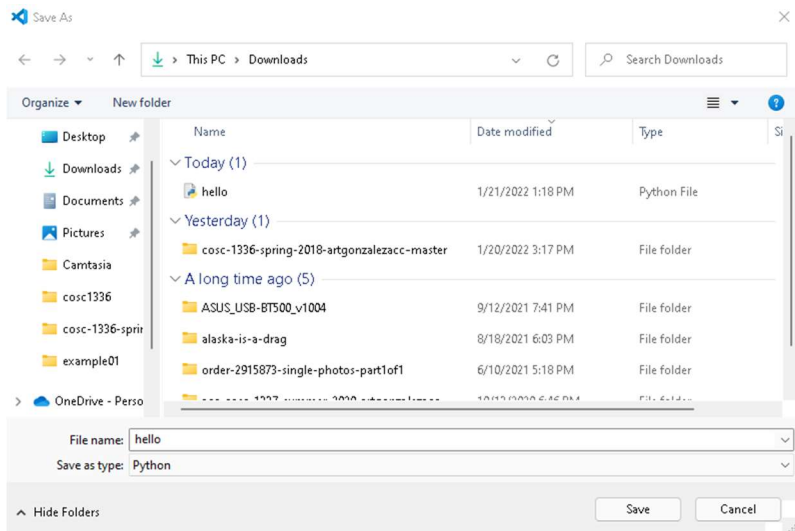


5. Click on Install

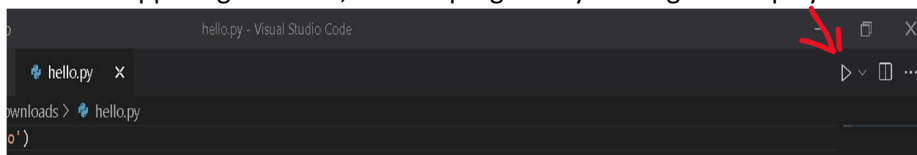


Test the installation

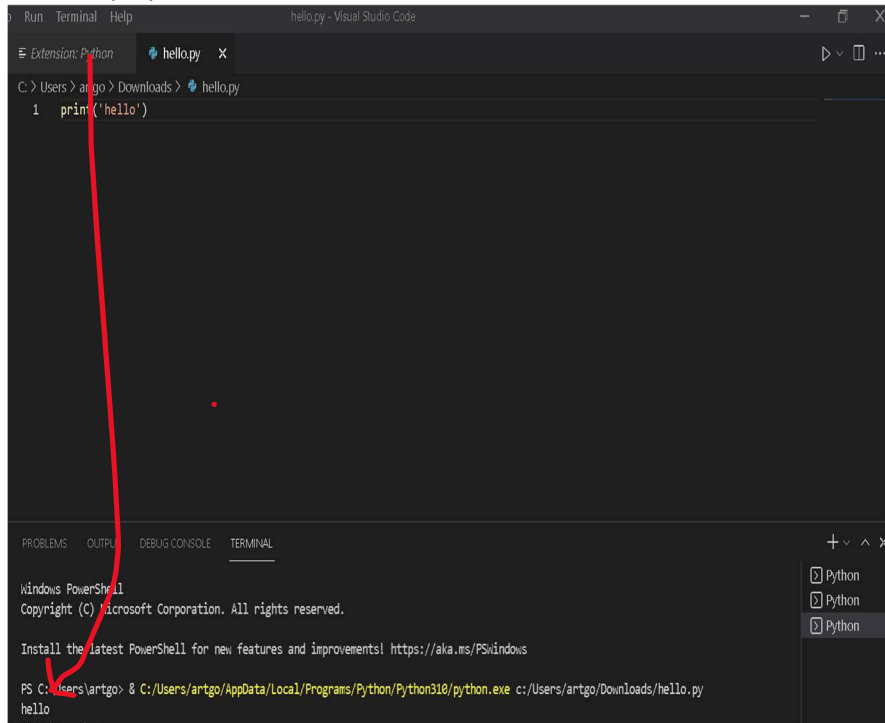
1. From the menu create a new file: File->New File, name the file hello.
2. From the menu select File-Save As, file name hello, Save as type: Python



3. Click Save
4. Type `print('hello')` at the top of the file, Save your changes
5. From the upper right corner, run the program by clicking on the play button.



6. Hello displays in a terminal window at the bottom of the screen.



The screenshot shows the Visual Studio Code interface. The editor window displays a file named `hello.py` with the following content:

```
1 print('hello')
```

The terminal window at the bottom shows the command prompt output:

```
Windows PowerShell  
Copyright (c) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
  
PS C:\Users\artgo> & C:/Users/artgo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/artgo/Downloads/hello.py  
hello
```

A red arrow points from the `print('hello')` line in the editor to the `hello` output in the terminal.