

Course Introduction

Welcome to Python Programming

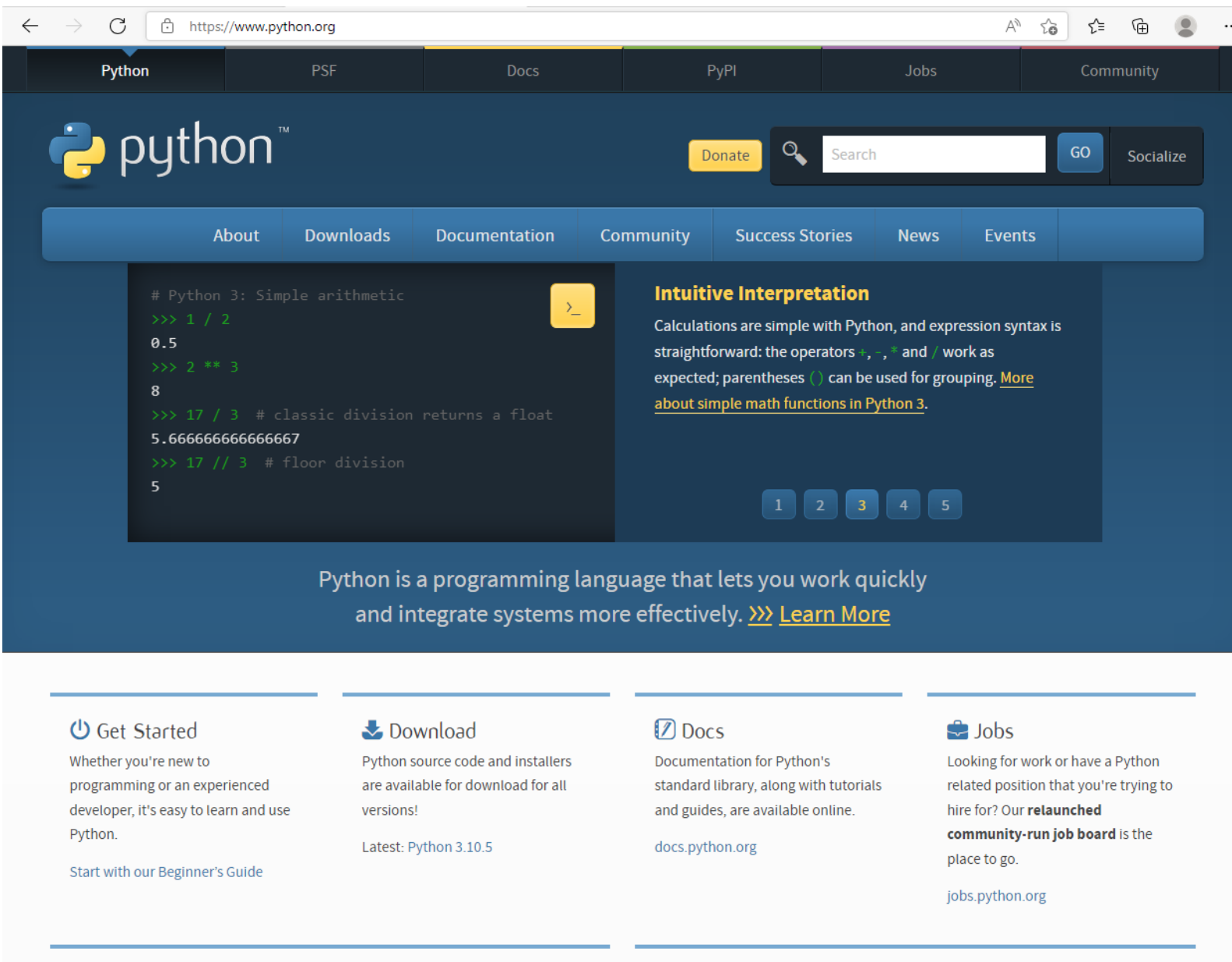
- ✔ **Video:** Introduction to Programming
4 min
- ✔ **Video:** Why Python?
2 min
- ✔ **Reading:** Visual Studio Code
5 min
- ✔ **Reading:** Installing Python paths (Optional for Windows Users)
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- ✔ **Reading:** Installing Python paths (Optional for Mac users)
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- ▶ **Video:** Environment check for Windows
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- ▶ **Video:** Python syntax, spaces matter
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- 📖 **Reading:** Python syntax cheat sheet
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- ▶ **Video:** Basic data types
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- 📖 **Reading:** Basic Data type and Function Cheatsheet
10 min
- ▶ **Video:** Type casting
2 min
- ▶ **Video:** User input, console output
8 min
- 📖 **Reading:** Type casting, a deeper look
10 min
- 🕒 **Programming Assignment:** Type casting input
3h
- 📖 **Practice Quiz:** Knowledge check - Welcome to Python Programming
5 questions
- 📖 **Reading:** Additional resources
5 min

Control flow and conditionals

Installing Python paths (Optional for Windows Users)

If you want to work on your local device and have a Windows machine you will need to install Python. To install Python on Windows you first need to download the latest version from the python.org website.

1. Go to <https://www.python.org/downloads/>



2. Select the latest release.

3. Depending on what best suits your operating system, select either the 32-bit or 64-bit offering.

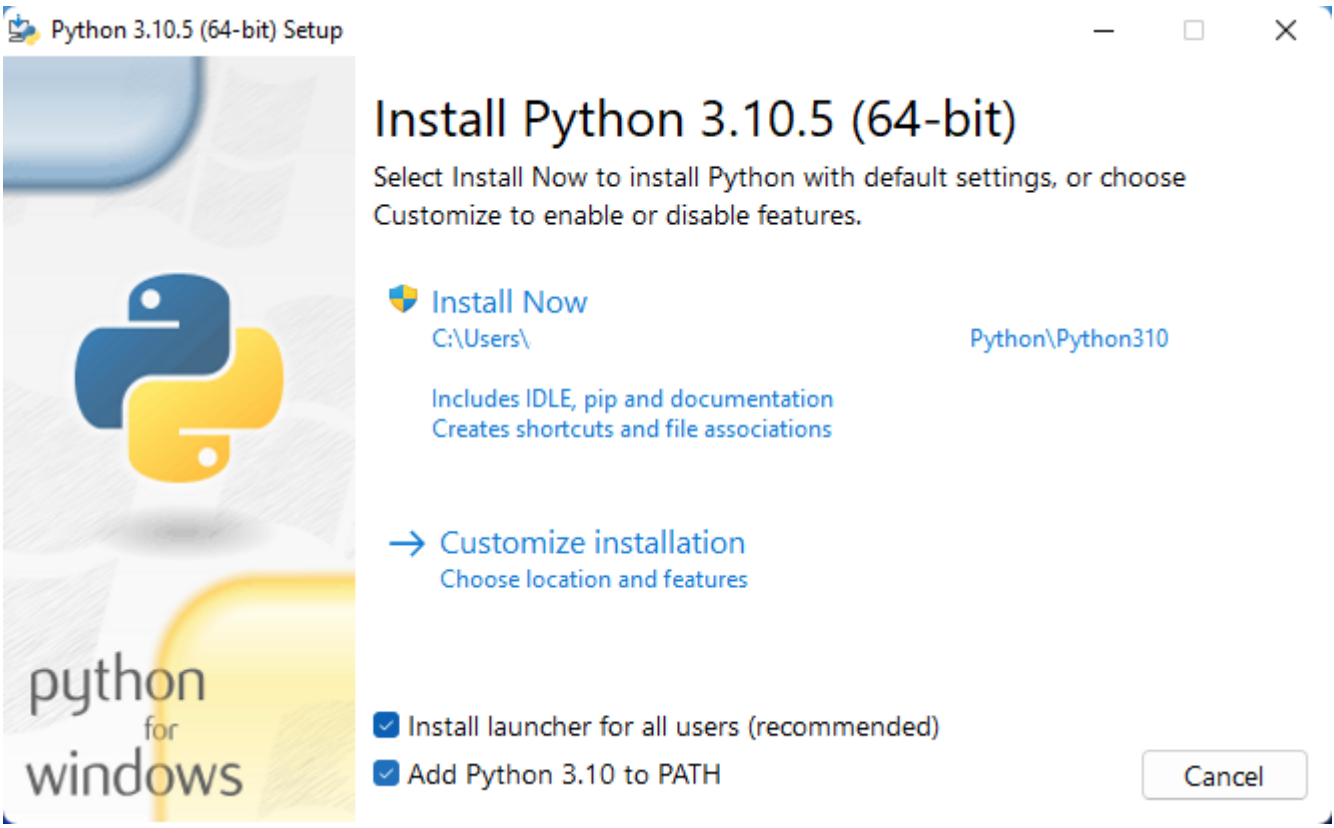
Files					
Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		d87193c077541e22f892ff1353fac76c	25628472	SIG
XZ compressed source tarball	Source release		f05727cb3489aa93cd57eb561c16747b	19361320	SIG
macOS 64-bit universal2 installer	macOS	for macOS 10.9 and later	cdc2e4c5a91477ae446689711c53aa72	40430804	SIG
Windows embeddable package (32-bit)	Windows		86be4156e8a5d5c3added8aab2bc3d1	7596969	SIG
Windows embeddable package (64-bit)	Windows		d97e30c7a19db2c5019f5534bcb0b19	8558134	SIG
Windows help file	Windows		43c924ac87daeed65acd85596eed1e33	9319556	SIG
Windows installer (32-bit)	Windows		eb59401a8da40051ec3b429897ae1203	27478768	SIG
Windows installer (64-bit)	Windows	Recommended	9a99ae597902b70b1273e88cc8d41abd	28637720	SIG

4. Click the link to download the file from the Windows Installer - Recommended.

5. Once downloaded, open the file.

6. In the installation window, check the following boxes:

- Install Launcher for all users
- Add Python 3.10 to PATH



7. Select Install Now.

8. Select Yes in the next window to allow the app to make changes to your device.

9. The installation process will begin. Wait for it to finish and then select Close once it's successful.

10. You should now be able to access the latest release of Python from the Windows menu.

✔ **Completed** **Go to next item**

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