

Install Python and PyCharm on MacOS

I show in this video how to install both Python 3 as well as Pycharm on MacOS. I'm using the free Community version of PyCharm. This course doesn't require you to use PyCharm however. Feel free to use any IDE.

Installation Steps

Verify Python Version Installed

1. We'll need the Terminal application
2. Open your Applications folder
3. Open the Utilities folder
4. Double click to open the Terminal application
5. Type `python -v` in the Terminal program and if Python version 2.7 is installed you'll need to install Python 3
6. Type `quit()` to exit Python in your Terminal

Install Xcode

1. You'll need to open up your App Store to install Xcode if you don't have it
2. Search for Xcode and click Install or Update
3. After Xcode installs open your Terminal
4. You need to type `Xcode-select --install` to install the Command Line Tools

Install Homebrew

1. Go to `brew.sh`
2. Copy the command that starts with `/usr/bin/ruby...` (Get all the Code)
3. Open your Terminal and paste that command in

Update your Bash Profile

1. Open your users folder
2. Click the following keys at the same time `command + Shift + .`
3. This displays hidden files
4. Open `.bash_profile`
5. Put the following line in that file and save the `.bash_profile` file
 1. `Export PATH="/usr/local/opt/python/libexec/bin:$PATH"`
6. Click `command + Shift + .` To hide hidden files

Install Python 3 with Homebrew

1. Open your Terminal and type `brew install python`
2. After that installs type `python3`
3. You should see Python 3.7 as your version of Python
4. Test installation by typing `print("Hello World")`
5. Type `quit()` to exit Python in the Terminal

Install PyCharm

1. Go to jetbrains.com/pycharm and click DOWNLOAD

2. Click on DOWNLOAD under the Community (Free) version
3. Open the DMG file that downloads
4. Drag the PyCharm file into your Applications folder

Setup PyCharm

1. Open PyCharm from your Applications folder
2. Select Do not import settings and click OK
3. Confirm you read the User Agreement and click Continue
4. Decide if you want to share data
5. Select that you have never used PyCharm and click Next
6. Select Dark or Light theme and click Next
7. Select that you want to Create a script for opening files
8. Don't install either IdeaVim or Markdown and click Start using PyCharm

Test PyCharm Installation

1. When PyCharm opens click Create New Project
2. Name your project, define where to save it, check that you are using the Python 3.7 interpreter under Base interpreter and click Create
3. Click PyCharm and Preferences
4. Click Project: <Your Project Name> -> Project Interpreter
5. Verify that you are using Python 3.7 for the Project Interpreter
6. Right click your project folder in the left sidebar and click New -> Python File
7. Type HelloWorld as you file name and click Python file
8. Type print("Hello World") and click Run -> Run in the menu
9. Hit Enter when the little window pops up
10. If you want your console window on the right, right click it and select Move to -> Right Bottom

That's it. Everything is installed and you're ready to start writing some Python programs.