

# Python Installation

Welcome to Python! Python is an amazing general purpose programming language. In this course, we'll focus on Python because Python is easy to understand and quick to learn. Also, Python is widely used in different industrial sectors including big organisations like Spotify, Google and Instagram.

In this orientation session, we'll help you to set up your environment so you're ready to go prior to our first session.

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## Installing Python:

### On a PC

Before we start installation, let's make sure if python is already installed in your system.

Search

cmd and run your terminal. Type the command `python -version`, if it gives you a warning saying the command 'python' is not recognised then it means python is not installed yet. Let's install python 3 now.

Click on the link below:

[Download Python | Python.org](#)

Click the Download button to download the latest version of python 3. Once it's downloaded, Don't forget to tick Add Python 3.X to PATH after clicking **run** to run the installation program.



After installation go to command line and type the command `python --version`, and now it should show you the version you installed.

Now we can go to **start** button(something like this

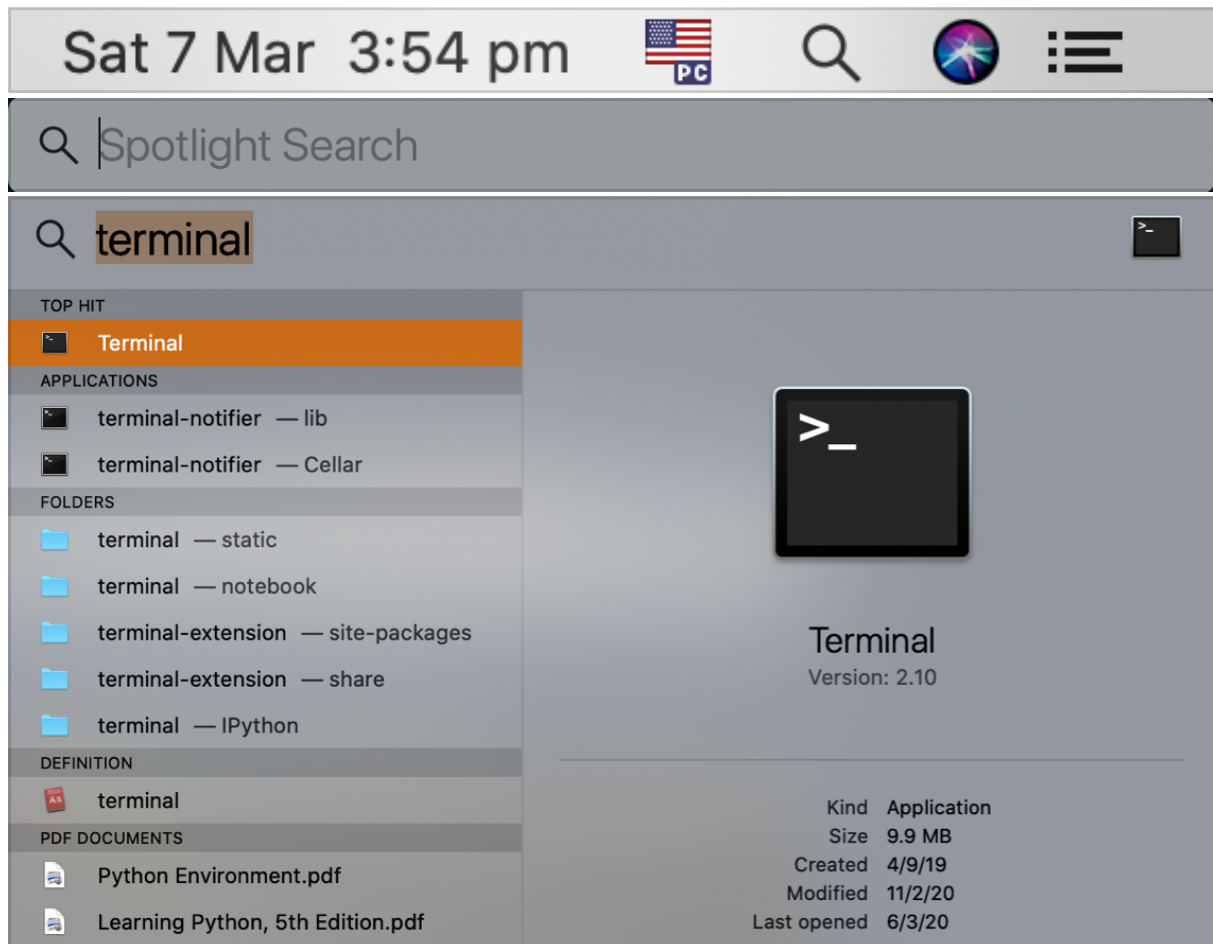


)and find newly installed python folder and click on **IDLE**. Type the following command: `print('Hey python!')` and hit enter, you should see **Hey python!** printed to the screen! Hooray!

```
Python 3.8.1 Shell
Python 3.8.1 (v3.8.1:1b293b6006, Dec 18 2019, 14:08:53)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>> print('Hey python!')
Hey python!
>>> |
```

## On a Mac

MacOS is normally pre-installed with Python 2.7. To check it, go to **spotlight**(the magnifying glass icon in the top bar) and search **terminal**.



Now type the following command:

```
python --version
```

 and hit enter.

```
zsh

Last login: Fri Mar  6 16:56:27 on ttys000
bingli@Bings-MBP ~ % which python
/usr/local/bin/python
bingli@Bings-MBP ~ % python --version
Python 2.7.16
```

It should return Python 2.7.16(or any other version of Python 2.7 such as Python 2.7.10). Regardless of this, we're still going to install python 3.

Click on the link below:

[Download Python | Python.org](#)



Click the Download Python button to download to download the latest stable version of python. (Don't worry if the version you see is not exactly the same, just download whichever version showing on the button.)

Open up the .pkg file and follow the instructions to install python 3 on to your computer. The installation process is pretty standard so you can agree to terms and conditions and enter your password when you need to.

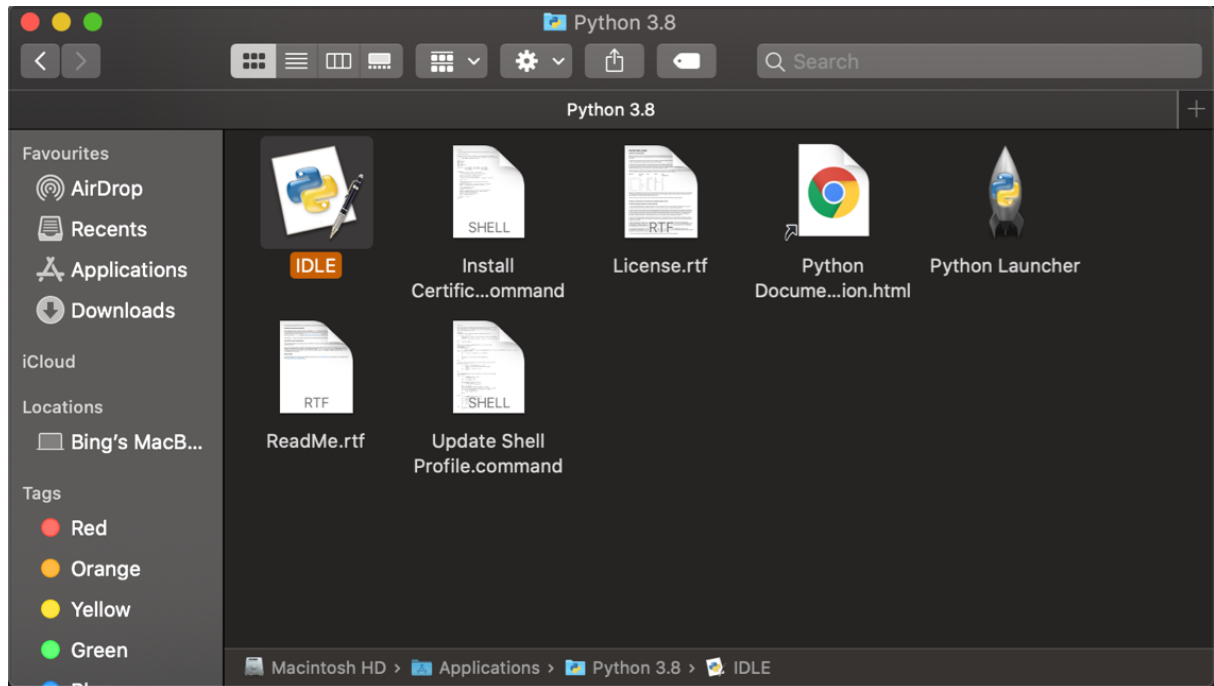
When the installation finishes, it'll create a directory in your Applications folder. Go to your Applications folder, you should be able to find it like this:



Now, go back to the terminal and let's check our python version again. Repeat the command `python --version`, hopefully you should be able to see the version is still python 2.7. This is because the latest version we just installed uses **python3** command. Try `python3 --version`, you should now be able to see the version of python3 you just installed.

```
zsh
Last login: Fri Mar 6 16:56:27 on ttys000
bingli@Bings-MBP ~ % which python
/usr/local/bin/python
bingli@Bings-MBP ~ % python --version
Python 2.7.16
bingli@Bings-MBP ~ % python3 --version
Python 3.8.1
bingli@Bings-MBP ~ %
```

Go to the newly latest python folder and click on IDLE.



Type the following command: `print('Hey python!')` and hit enter, you should see **Hey python!** printed to the screen! Hooray!

```
Python 3.8.1 Shell
Python 3.8.1 (v3.8.1:1b293b6006, Dec 18 2019, 14:08:53)
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