

Installing Python, Pip, Django and Pycharm for MAC(OSX)

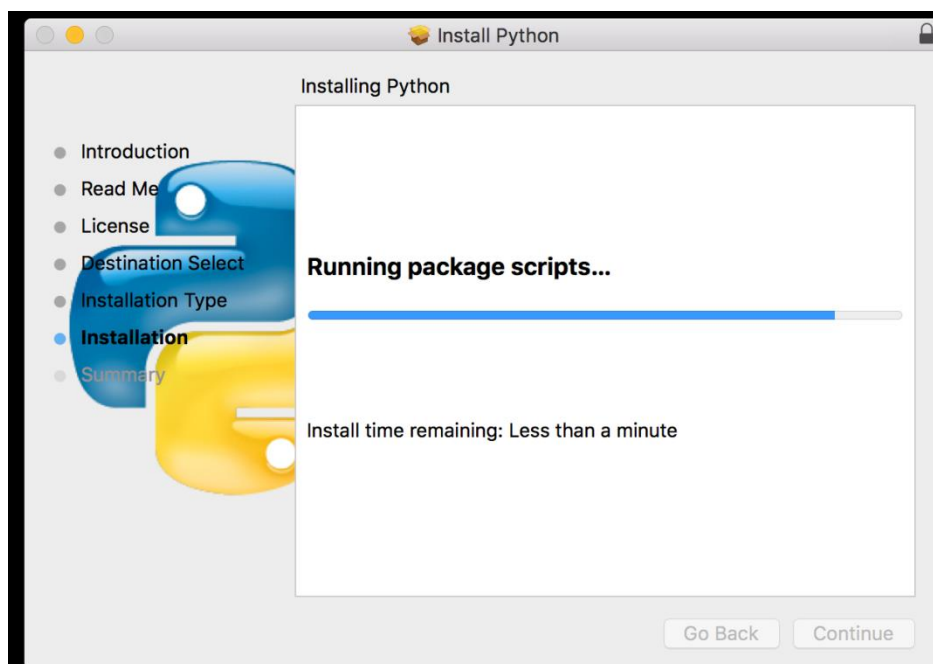
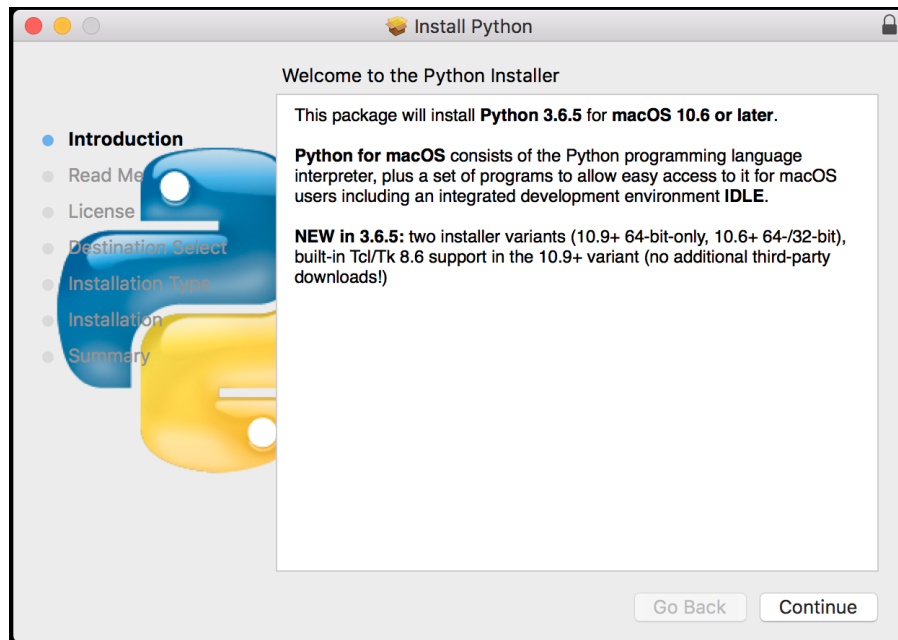
1) Install Python

To work with Django, we need to install python. Django is a python web framework, it relies on python code and interpreter.

Go to <https://python.org/downloads> and click on downloads to download the latest version of Python 3. At the moment current version is 3.8



After downloading Python, you need to install it on your computer. After starting the installer, choose [continue](#) in the screen shown below



Open terminal and type **python --version** at terminal prompt to check the version of python that is installed.(It will show you Python 2.x.x, don't be panic. Mac OSX comes with built in Python2). To verify the right installation of Python3, type **python3 --version** prompt to check and it will show you the right version of python3.

You can use Python either using **python3 command** or **python shell** (IDLE or Python GUI) as seen below:

```
mahwishanwaar — Python — 80x24
Last login: Tue May  1 21:27:21 on ttys000
Mahwishes-MBP:~ mahwishanwaar$ python --version
Python 2.7.10
Mahwishes-MBP:~ mahwishanwaar$ python3
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 03:03:55)
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> 
```

```
Python 3.6.5 Shell
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 03:03:55)
[GCC 4.2.1 (Apple Inc. build 5666) (dot 3)] on darwin
Type "copyright", "credits" or "license()" for more information.
>>> WARNING: The version of Tcl/Tk (8.5.9) in use may be unstable.
Visit http://www.python.org/download/mac/tcltk/ for current information.

>>> L1=[1,2,3,4]
>>> L1[2]
3
>>> L1[-2:]
[3, 4]
>>> |
```

Ln: 12 Col: 4

2) Install Django

a) Open terminal and type `django-admin --version` (It will check if you have any previous version of django already installed). If you have one, please remove it otherwise go to next step.

b) Type `pip3 install Django` at terminal prompt OR

c) Type `pip3 install -U Django` to upgrade to a newer version (if you already had an older version installed)

NOTE: If you get an error message such “as Fatal error in launcher: Unable to create process using ...”
Try `sudo pip3 install Django`

d) Check that Django is installed correctly and also check the version by typing the following sequence of commands at command prompt:

```
django-admin --version or
python -m django --version
or in Python idle console type in:
import Django
Django.VERSION
```

Your cmd window should show something like this (current version is **3.0.5** or **3.0.6**):

A screenshot of a terminal window titled 'mahwishanwaar — -bash — 80x12'. The terminal shows the command 'django-admin --version' being executed, which outputs '3.0.6'. The prompt 'Mahwishes-MBP:~ mahwishanwaar\$' is visible at the bottom.

```
mahwishanwaar — -bash — 80x12
Last login: Tue May 1 22:22:40 on ttys000
Mahwishes-MBP:~ mahwishanwaar$ django-admin --version
3.0.6
Mahwishes-MBP:~ mahwishanwaar$
```

3) Install PyCharm

a) Go to <https://account.jetbrains.com/login> and register for a JetBrains account. Make sure you use your **uwindsor** email to register for the account.

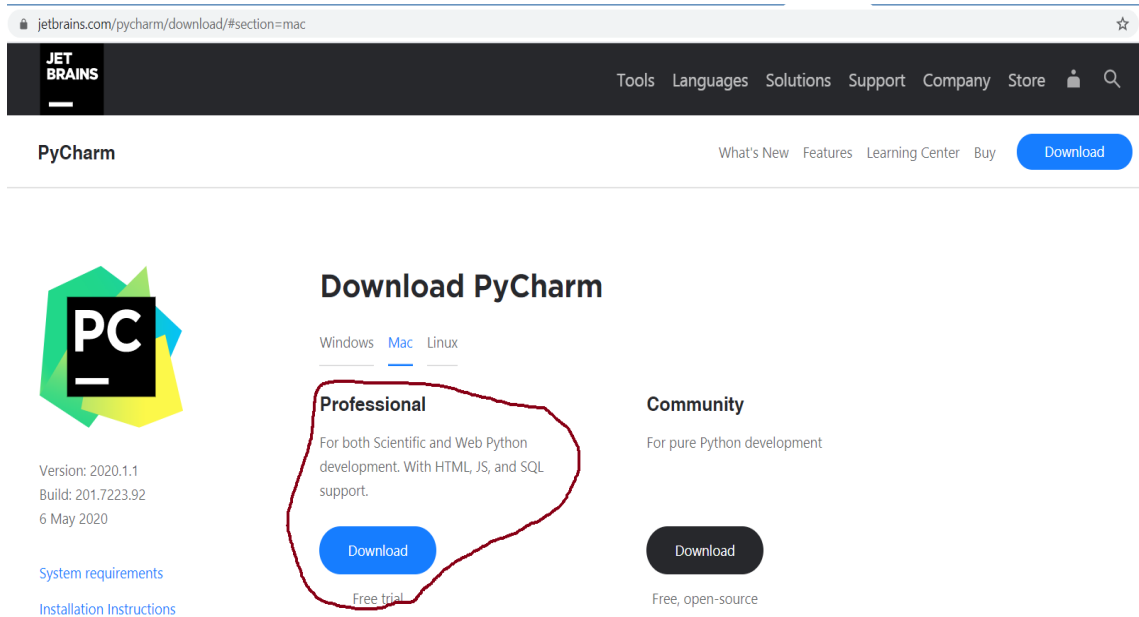
b) Go to: <https://www.jetbrains.com/student/> and click "APPLY NOW".

c) You will be redirected to the [application form](#). On this form, select “I’m a student”, enter your first and last name and your **uwindsor email**, then click “APPLY FOR FREE PRODUCTS”

d) You should receive an email asking you to **Confirm Request** by clicking on a link. Click the link and follow any instructions.

e) You should receive another email asking you to **Activate Educational License** by clicking on a link. Click the link and follow any instructions.

- f) Go to <https://www.jetbrains.com/pycharm/> to download PyCharm. Remember, you need the **Professional** version, not the Community version.

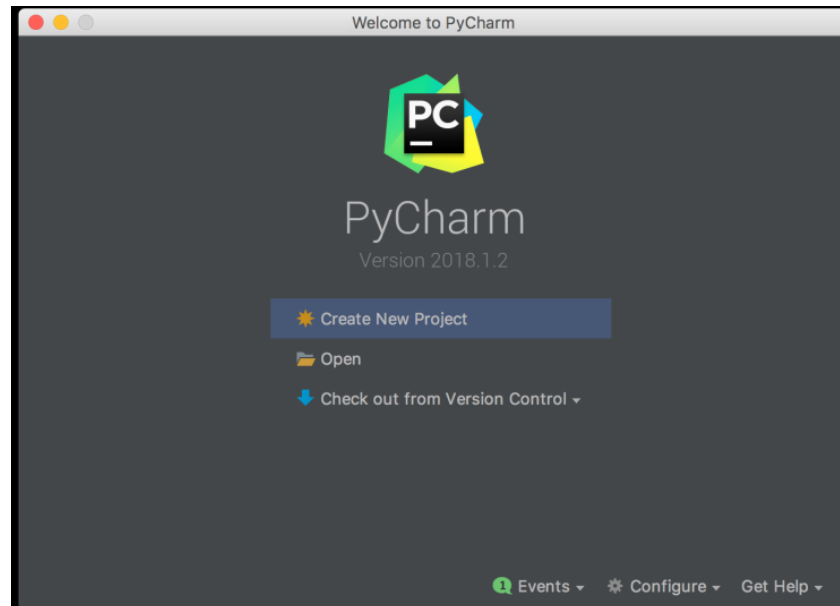
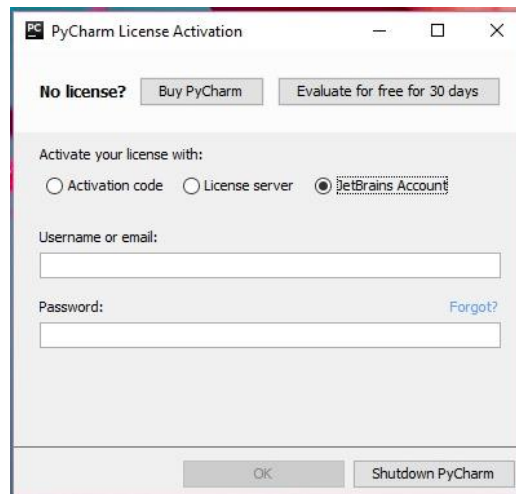


Click on download

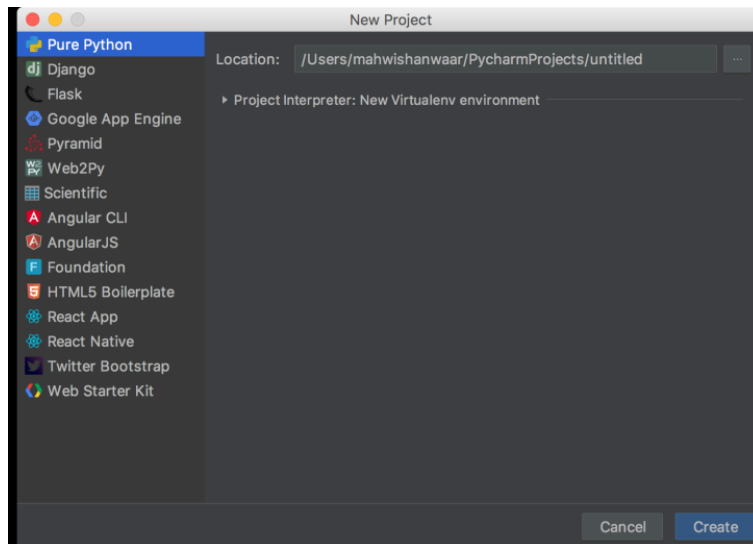


After downloading PyCharm click on the downloaded exe file and follow the installation steps:

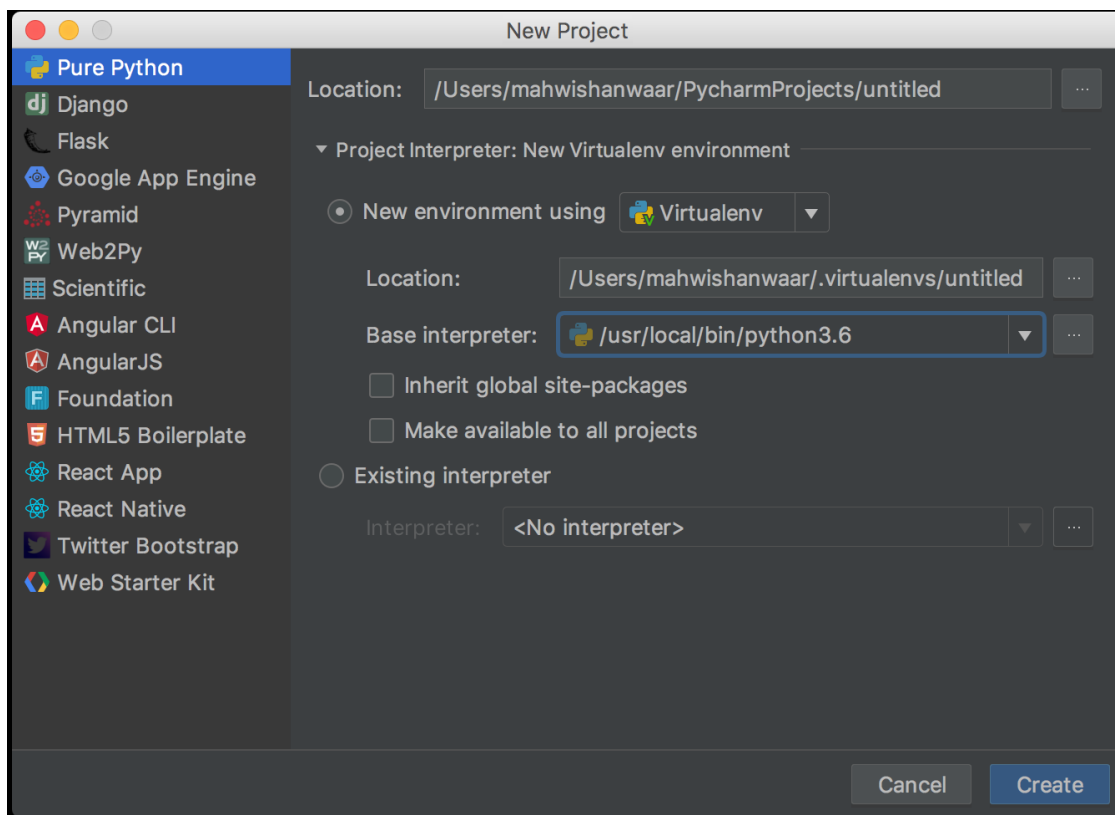
Launch PyCharm and activate your account by selecting the **JetBrains Account** option and entering your email and password (created in step 4a)



Select **Create New Project** and create a new **pure python** project called *lab1*.



Important: Click on **Project Interpreter** and make sure that **Base interpreter** is python3.6(or the latest one which you have installed earlier). If not then select it from drop down menu.



That's all

Enjoy your journey with Django!

Happy Semester