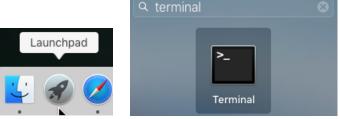
DOWNLOAD AND INSTALLATION

Download Anaconda 4.4.0 with Python Version 3.6 (64-bit) from https://www.continuum.io/downloads and install it on your laptop. When the installation is finished, we can run Python programs in two modes: Interactive mode and Scrip mode.

INTERACTIVE MODE

Method 1. Terminal

Click Launchpad and type in terminal and hit <enter> to run the Terminal.



In the terminal window, type in python and hit <enter> to enter the python programming environment.

```
ted — python — 77×14

Last login: Tue Sep 13 14:19:50 on ttys000

[teds-iMac:~ ted$ python

Python 3.5.2 |Anaconda 4.1.1 (x86_64)| (default, Jul 2 2016, 17:52:12)

[GCC 4.2.1 Compatible Apple LLVM 4.2 (clang-425.0.28)] on darwin

Type "help", "copyright", "credits" or "license" for more information.

>>>
```

Type in a few python commands and you will see the output results immediately.

```
Last login: Tue Sep 13 14:19:50 on ttys000

[teds-iMac:~ ted$ python

Python 3.5.2 |Anaconda 4.1.1 (x86_64)| (default, Jul 2 2016, 17:52:12)

[GCC 4.2.1 Compatible Apple LLVM 4.2 (clang-425.0.28)] on darwin

Type "help", "copyright", "credits" or "license" for more information.

[>>> 1+2
3
[>>> print("Hello world!")

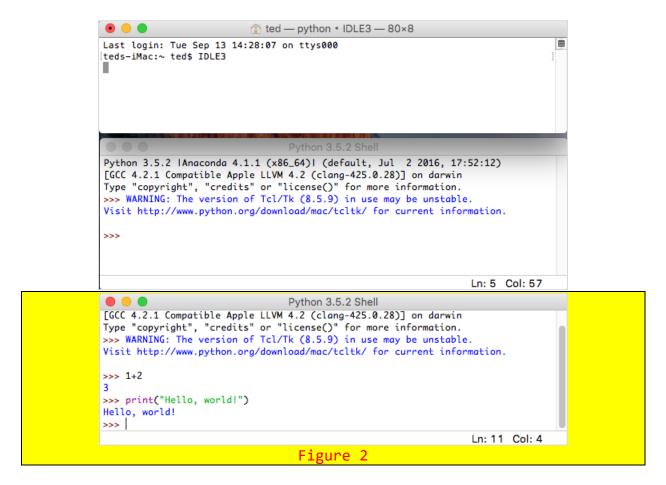
Hello world!

>>> 

Figure 1
```

Method 2. IDLE

The second way to enter the python programming environment is to type in IDLE3 in the terminal and hit <enter>.

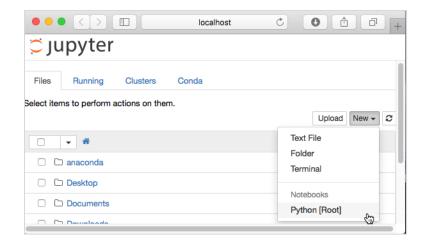


Method 3. Jupyter Notebook

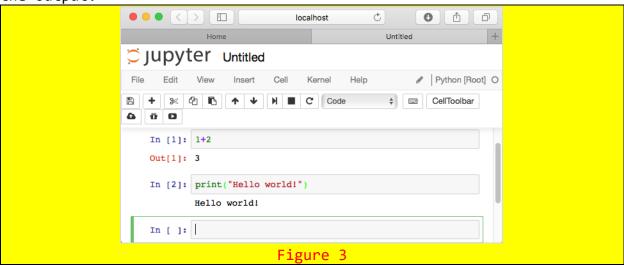
The third way is to type in Jupyter Notebook in the terminal and hit <enter>.



In the Jupyter Notebook window, click New (top right corner) then select Python [Root].



Type in a few python commands and click the run cell button (ightharpoonup) to see the output.

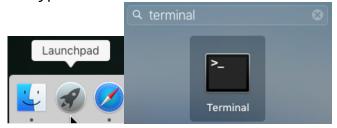


SCRIPT MODE

Download the file named hello.py from MyCourses and put it in your Downloads folder.

Method 1. Terminal

Click Launchpad and type in terminal and hit <enter> to run the Terminal.



In the terminal, type in cd Downloads and hit <enter> to enter the Downloads folder.



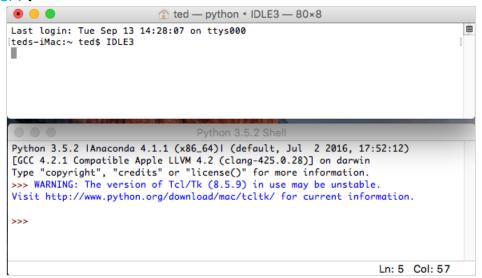
Type in python hello.py to run the script and see the output.

```
Last login: Tue Sep 13 14:44:58 on ttys000

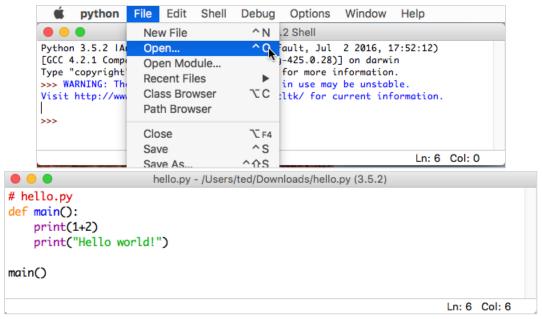
[teds-iMac:~ ted$ cd Downloads
[teds-iMac:Downloads ted$ python hello.py
3
Hello world!
teds-iMac:Downloads ted$
```

Method 2. IDLE

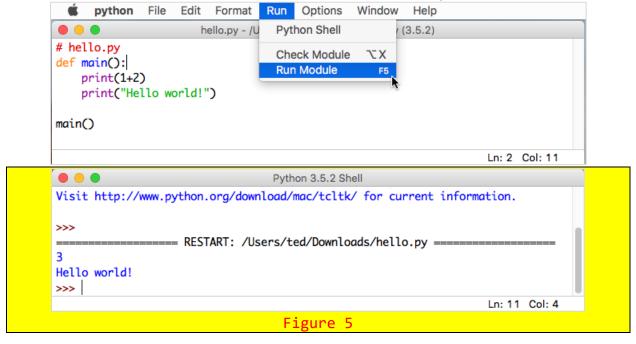
The second way to run the script is to type in IDLE3 in the terminal and hit <enter>.



Then click the menu File/Open... to open the hello.py file in the Download folder.



Then click the menu Run/Run Module and see the output in the IDLE shell.



Method 3. Jupyter Notebook

In the terminal, type in cd Downloads and hit <enter> to enter the Downloads folder.



Then type in Jupyter Notebook in the Windows Start Menu and hit <enter>.



In the Jupyter Notebook window, click New (top right corner) then select Python [Root].



Type in run hello.py and click the run cell button (▶) to see the output.

