Introduction to Python - Day 1



What do you need to get started?

- 1. Python (3.3.+): https://www.python.org/downloads/
- 2. PyCharm: http://www.jetbrains.com/pycharm/download/
- 3. Code Download:
 - https://github.com/zachary.thomas.abraham/workshopspython-level1
- 4. https://github.com/anooptrivedi/workshops-python-level2

(Make sure you download this before the class and you have right version for your platform, Windows or Mac)

What are we going to do today?

- 1. Installation of Python and PyCharm
- 2. Hello Warriors!
- 3. Python Console
- 4. Scoring Fun!!





Python Setup:

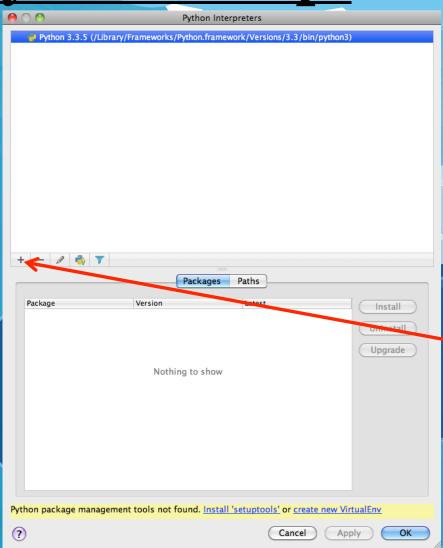
Create New Project in PyCharm

000	Create New Project
Project name:	untitled
Location:	/Users/mac/PycharmProjects/untitled
Interpreter:	Python 3.3.5 (/Library/Frameworks/Python.framework/Versions/3.3/bin/python3)
?	Cancel OK

Click here to choose your interpreter



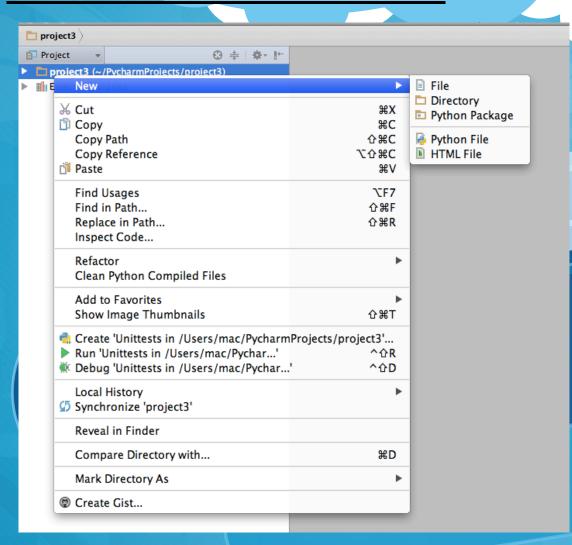
Python Setup:



Click on + sign to choose interpreter



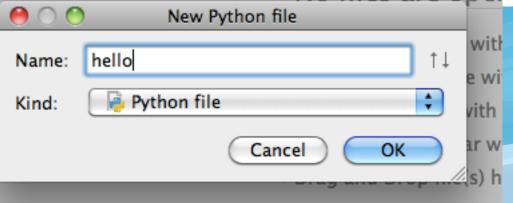
Hello Warriors!





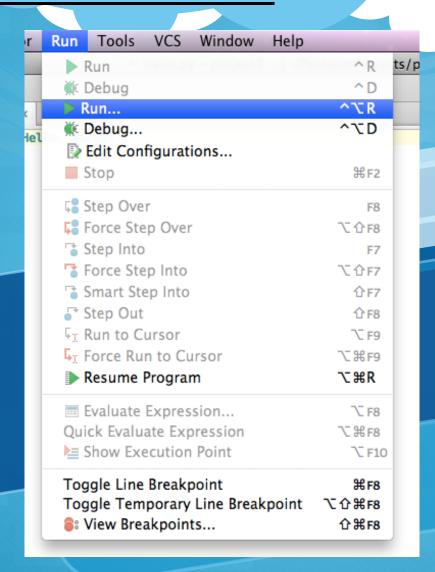


Hello Warriors!



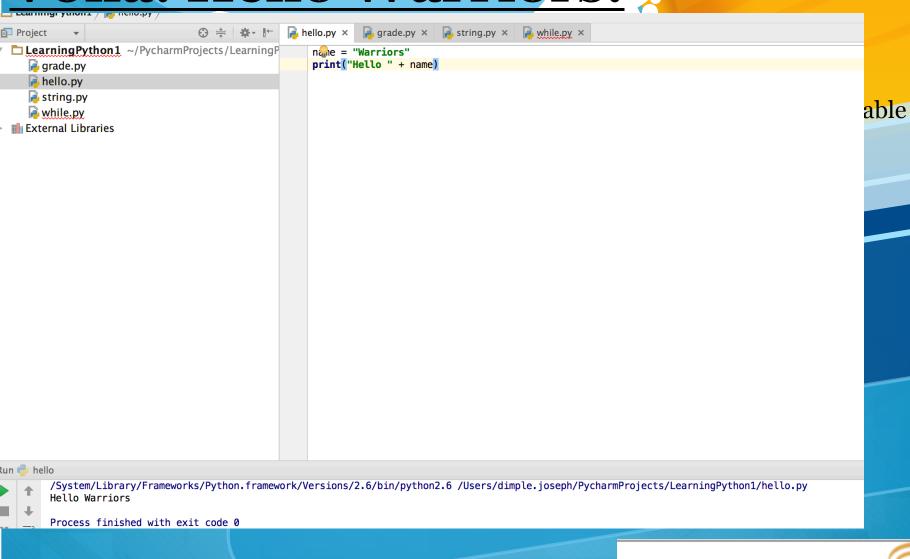


Hello Warriors!



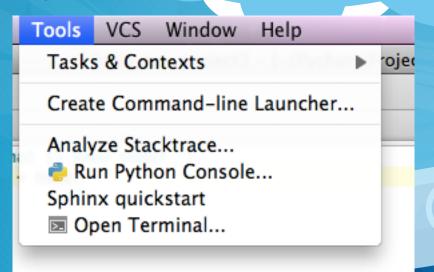


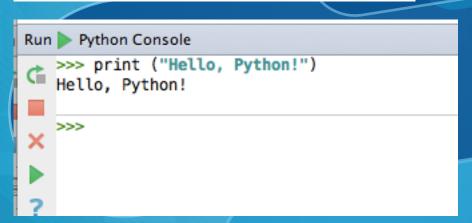
Voila: Hello Warriors!





Python Console:







More Python Console Examples:

```
Run Python Console
>>> 4 * 4
   16
× >>> 16 / 4
  4.0
  >>> 4 + (9 - 3)
7 10
   >>> 6 * (3 - 1)
>>> hi = 10
   >>> hi * 5
   50
   >>> hi * hi
   100
   >>> lo = 0
   >>> hi * lo
   >>> lo = 3
   >>> hi * lo
   30
```

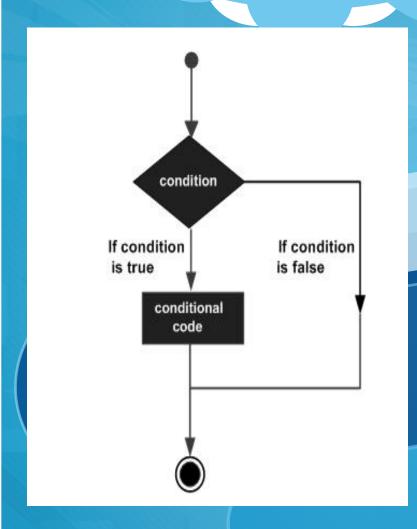


More Python Console Examples:

```
Python Console
   import sys; print('Python %s on %s' % (sys.version, sys.platform))
   sys.path.extend(['/Users/dimple.joseph/PycharmProjects/LearningPython1'])
   Python 2.6.9 (unknown, Jul 14 2015, 19:46:31)
   [GCC 4.2.1 Compatible Apple LLVM 6.0 (clang-600.0.39)] on darwin
   >>> str = "Warriors"
   >>> print(str)
   Warriors
   >>> print(str[0])
   >>> print(str[0:3])
   >>> print(str[1:5])
   arri
+ >>> print(str[0:9])
   Warriors
   >>> print(str*2)
   WarriorsWarriors
   >>> print("Hello " + str)
   Hello Warriors
   >>>
```



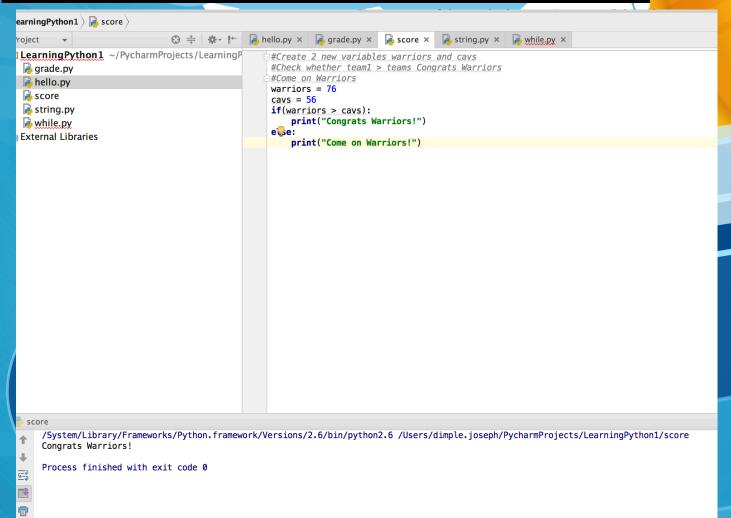
Conditional Statements





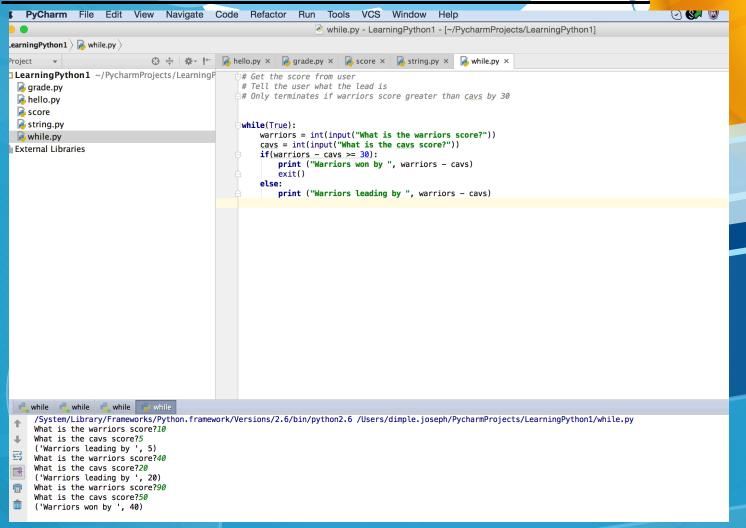


Conditional Statements





Conditional Statements





Python Types

- 1. Int, Float, String
- 2. Lists
- 3. Tuples
- 4. Dictionary

Go Warriors!!

