Python Installation

• [www.python.org](http://www.python.org), “Downloads”, “Python 3.5.1”
• 2.x or 3.x?
  – 3.x has some changes to the base language (not backwards compatible)
    • Better handling of unicode
    • Exception chaining
    • …
  – A few third-party libraries still support only 2.x
    • [https://python3wos.appspot.com/](https://python3wos.appspot.com/)
• We’ll go with 3.x here
Python 3.x

• Full details of what’s new: https://docs.python.org/3/whatsnew/3.0.html

• What affected me:
  – print(“hello”) instead of print “hello”
  – cmp() no longer exists
  – 1/2 gives float. 1/2 gives int.
  – != instead of <>
  – raw_input(...) (2.x) is now just input(...) (3.x)
    input(...) (2.x) is now eval(input(...)) (3.x)
  – Classes must explicitly extend object (or something else)

• Auto conversion tool! https://docs.python.org/3/library/2to3.html#to3-reference
  – Windows:
    pythonpath\Python.exe pythonpath\Tools\scripts\2to3.py -w filename.py
  – Helpful, but doesn’t catch more subtle changes