Python II

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Python Setup

- We use Python 2.7.x in this course
- Follow the tutorial at: https://github.com/udmis/web-app-dev/wiki/Set-up-Mac-for-Development
  - Setup python
  - Install pip
  - Install pep8 linter in Atom
  - Setup virtual environment

Virtual Environment

- We need different virtual environments for different projects due to different Python version, different packages, same packages with different versions.
- To setup the virtual environment with packages:
  - In the project folder, create a requirements.txt file, which will include all packages for the project if any
  - In the terminal, go to the project folder and create the virtual environment:

In-class Exercise

- Save and run .py file
- Print
- Comments #
- String
  - len(), .upper(), .lower(), [index]
  - Concatenation: use + or string formatting with %

    print "Hello %s" % (name)

    print "Hello %s and %s." % (name_1, name_2)