

Readings for ENGL 516X, Spring Semester 2018

Here are some of the resources to help you learn Python. Note: I may update this as time comes.

- Primary textbook: Python for Informatics by Charles Severance
 - can be purchased on amazon.com. Free ebook is available at:
<https://py4e.com/book.php>
 - py4e.com website has several other useful materials.
- Secondary textbook: How to think like a computer scientist: Learning with Python 3
 - Freely available at: <http://openbookproject.net/thinkcs/python/english3e/> and several other free online versions exist.
 - Interactive version: <http://interactivepython.org/runestone/static/thinkcspy/index.html>
 - Also available for purchase on amazon.com
- For restless and hyperactive folks who are ahead of others in learning Python: Natural Language Processing with Python: <http://www.nltk.org/book/> - I will deal with the contents of this book in 520 in Fall 2018.
- Useful websites:
 - python.org - everything you want related to Python
 - <https://www.learnpython.org/> - interactive tutorials.
 - pythontutor.com - website to visualize what happens when your code "runs"
- online courses in Coursera by Charles Severance, under "Python for Everybody" specialization series - these used to be free in 2016. You can perhaps still view lectures for free.
 - Course 1: Getting Started with Python.
<https://www.coursera.org/learn/python>
 - Course 2: Python Data Structures.
<https://www.coursera.org/learn/python-data>
 - Course 2: Using Python to access Web Data.
<https://www.coursera.org/learn/python-network-data>
 - Course 4: Using Databases with Python.
<https://www.coursera.org/learn/python-databases>

- Other useful readings:
 - "A Byte of Python" by C H Swaroop.
<http://www.swaroopch.com/notes/python/#frontpage>
 - Python for Linguists by Ron Zacharski.
<http://www.zacharski.org/python2/> (This is very old - syntax changes happened!)
 - Unix for Poets by Kenneth Ward Church.
<http://web.stanford.edu/class/cs124/kwc-unix-for-poets.pdf>
- Other books:
 - Dive into Python: <http://www.diveintopython3.net/>
 - Learn Python the Hard Way (not free): <https://learnpythonthehardway.org/>
 - For a more general introduction to computing: "Introduction to Computing: Explorations in Language, Logic and Machines" by David Evans. Can be purchased or downloaded at:
<http://www.computingbook.org/> (Difficult!)