Make Code with Python

https://tinyurl.com/pyhi-workshop

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Learn computer programming writing real code with a real programming language: Python.

Python currently is the third most popular programming language in the world – and its popularity is still increasing. [ref]

In this workshop you will learn how to code in Python. You will write several small programs, including a keyboard-based number guessing game where you can play against the computer.

Contents

Useful Links

- Python 3 Beginners' Reference Cheat Sheet
  http://sixthresearcher.com/wp-content/uploads/2016/12/Python3_reference_cheat_sheet.pdf
  This is the cheat sheet included in the class workbook.

- Learn Python 3 the Hard Way
  https://www.programmer-books.com/learn-python-3-the-hard-way/
  This is a free ebook that teaches how to program in Python by example.

- Code With Mu
  https://codewith.mu/
  This is the Mu Editor that we are using in this workshop.
  It is free software that you can download and use on your own.

- Python Official Documentation: https://docs.python.org/3/

  - Python Language Reference: https://docs.python.org/3/reference/index.html

  - Python Standard Library Reference: https://docs.python.org/3/library/index.html

  - Python Modules Index: https://docs.python.org/3/py-modindex.html

- Code examples from this class: https://github.com/courtney-rosenthal/python-examples

Additional Links

These are some additional resources that were explored or mentioned during the class.

- Exact Instructions Challenge - THIS is why my kids hate me. | Josh Darnit
  https://youtu.be/cDA3_5982h8
  This is the video that broke Courtney.

- RGB Color Picker
  https://rgbcolorcode.com/
  My favorite color is #2020FF … what's yours?

- Raspberry Pi
  https://www.raspberrypi.org/
  I recommend Raspi 3. (Cheaper than Raspi 4, doesn't run as hot, but slower.)
  Shopping link: CanaKit via Amazon

- Python module for Atom Text Editor
  https://atom.io/packages/ide-python
  This would be a step up from the Mu Editor.

- Ada Lovelace, Mathematician and Programmer | Biography
  https://youtu.be/sB5ieSGGDmk

- Grace Hopper, Computer Scientist and Military Leader | Biography
  https://youtu.be/meeCAFacrG0