First day of class -

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Python

Html/CSS

JavaScript

jQuery & Lo-Dash

Augment a static website using JavaScript

Django

Learn the technical structure of a professional web app

Learn how to use views, routes, and templaes

Learn how to design and implement a data model

Capstone

Plan, design, and implement a full-stack web app from the top to bottom

Demonstrate learning of the topics previously covered in the class

Personal

Adopt a growth mindset

Learn how to be an effective pair programmer

Learn to be a teacher of others, handling conflict gracefully

Understand biases we all bring to work

Find balance between independently answering questions and asking for help

Clearly communicate with technicaland non-technical partners

Python cookbook

Essential Python

Websites - codingbat.com

- thepythonprogramingchallenge.com

-checkio.org

-projecteuler.com

-reddit.com/r/dailyprogrammer

-djangogirlstutorial.com

#Dynamic typing - freely switch between the string and integer

the only way

# strong type - number + name

Pythonic -

Pep 8 - styling convention for Python code

Longest line of code is 79 characters

Python create banner - go over different data types

madlib - noun noun verb verb

What's new in Python 3.6

New format string literals -

name = "Michael"

print(f"Hello, my name is {name}")

You can also put underscores between 1 and 0 with long numbers

the new "secrets" module

secrets.randbelow(50)

secrets.randbits(256)

secrets.token\_hex(32)

secrets.token\_bytes(32)

Python Treehouse =

Data types - integers, float, string

**4/13/2017**

Do pig latin with a sentence

case 21

ROT13