Lab 01: In the Beginning

Due: Wed Aug 29, 2018 at start of class

Canvas

- **Verify you can login to Canvas and are a participant in my course**
- **Verify you can access modules and download documents**
  - Download “Introduction to Python” manual from Course Documents Module
  - Download the two jpg images from miscellaneous module (“asian” and “office”)
- **This lab will require you to upload your work to Canvas. You should put all of your work into a single document prior to uploading**

Get the Oculus Go Going!

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- **Check out a Go from Perk**
  - Install Oculus app on smartphone, put battery in remote, charge it, familiarize yourself with on/off, install glasses separator in viewer
- **Connect to computer**
  - PC: Should appear as an external drive when plugged into USAB
  - Mac: install the program Android File Transfer
  - Verify you can drag pictures to/from the Go
    - ✓ Put the pictures “office” and “asian” into the pictures folder on the Go and view them with Oculus gallery. Configure ”360” and “3D” as needed
- **Assignment**
  - Install the game “Bait”. Write a few paragraphs summarizing what you observe. What are your first impressions? What is done well? What could be better? What is your physical reaction (nausea, eye strain, etc.)? What are your reactions to: the resolution? Field of view? Audio quality? Latency? Object movement? (upload to Canvas)

Setting up Python

- **Assignment**
  - Install Python 3.x (I have 3.6.5 on my mac). Do NOT use a 2.x or earlier version of Python
  - Read Sections 1, 2, and 3 of the Intro to Python document you downloaded via Canvas
  - Type in the program at the top of Section 2 in the docment's introduction and verify it runs on your computer. Modify *MyFunctionOne* so that w equals x raised to the y power and z equals eight times x divided by y. Modify *MyFunctionTwo* so that w equals x squared minus y and z equals the square root of x divided by y. Then Let a = 3.456783 and b = 5.239641 and run your program. Submit your program and your answers