Spring 2020 IOST Assignment One [Insert Name Here] **Individual Homework Activity to be placed in your Google Drive Folder (Insert you name for LAST name in the file name)**

1. After reading the <https://en.wikipedia.org/wiki/Flowchart>, convert the following pseudocode into a hand-drawn flowchart. Take a picture of your flowchart, and attach it to this doc. (alternatively if you want, you can also draw it using the website: <https://www.draw.io/> , and the following video is a nice overview of how to use it <https://youtu.be/Z0D96ZikMkc> ) (5 points)

I am thirsty

If it is a hot day, I will drink something ice cold  
else if it is a cold day, I will drink something hot

Else I will drink tap water

[Insert Image Here]

1. Python uses multiple data types. Using hypothes.is, find two different sites that describe data types in Python and write below a description of the difference between integers, floating point numbers and string literals. Be sure to tag the hypothes.is annotations with the chapter's tag: **S20IOSTpy01UALR**

[type Answer to question 2 here]

1. Create a Python program that prints out the following information, and upload it as a python file with the following file name LastName\_py01\_Q2.py (the ".py" is the python file extension) (10 pts)

Line 1 prints out your name and a fake student ID number (makeup any 6 digit number)

Line 2 prints out the year you were born

Line 3 prints out the value of the addition of your year born and student ID number

Line 4 prints out the value of the product of your year born and student ID number

Sample Printout for Monty Python would look like:

Monty Python 123456

Year born: 1969

Sum of values: 125425

Product of values: 720243084864

Your program must contain documentation lines that include your name, the date, a line that states “Py01 Homework question 2” and a description line or two that indicates what the program is supposed to do. Take a screen shot of the program and the output and attach below:

[Insert Screenshot Here] (note, adjust all images so that they do not span a page break).