Lab #1: Python Calculator Program

**Due:**

Afternoon Session: Tuesday, July 13th by 10:30am (before class)

Morning Session: Wednesday, July 14th by 10:30am (before class)

**Description:**

During lecture, we discussed different ways in which Python can be used to perform arithmetic, or math.

* Adding two numbers: (x + y)
* Subtracting two numbers: (x – y)
* Dividing two numbers: (x / y)
* Multiplying two numbers: (x \* y)
* Raising one number to another number (x ^ y)

Today, we're going to work on a Python program that acts like a calculator.  First, you will start the lab by answering a set of short answer questions about the different data **types** in Python. You should be using the Python shell (by typing in “python” to the [Shell] tab in Replit) to test out your answers to the short answer questions. Once you’ve finished with the short answer questions, verify your answers with your classmates and/or the CAs.

Finally, you will complete the remaining TO-DO items in Lab 1 by writing the finishing code to implement a calculator in Python. If you need help with your solution, do not hesitate to ask a CA.

**Support Code:**

We’ve included support code in the Lab-01 Python document in Replit. You will fill out the remaining code where there are TO-DO tasks in the program.

**Your Task:**

Your goal is to finish all of the short answer questions and all of the TO-DO tasks in your Python program. When you have finished, you will have a working calculator that performs calculations from a user’s input. If you finish early, there are extra credit tasks included at the bottom of the program.

**Files Given:**

Lab-01 in Replit

**How to submit your lab:**

* Submit your lab directly through Replit before the next day of class. (Morning session has an extra day to finish)