Lab #3: Number Guessing Game

**Due:**

Afternoon Session: Thursday, July 15th by 10:30am (before class)

Morning Session: Friday, July 16th by 10:30am (before class)

**Description:**

During lecture, we discussed different ways in which we can work with and manipulate Lists.

* We learned about adding and removing elements from Lists
* We learned about how to access elements from Lists
* We learned that Lists can have items of any type (int, bool, float, etc.)

Today, we're going to work on a Python program that acts like a shopping cart.  First, you will start the lab by answering a set of short answer questions about Listsin 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 3 by writing the finishing code to implement a shopping cart program, where you can print, add, and remove items in a shopping cart, 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-03 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 shopping cart program that lets a user continue to add, remove, or view their shopping cart. If you finish your code early, there are a few extra credit questions you can work on at the end of Lab-03. If you finish the extra credit and want to share your solution to the class tomorrow, please let Ashley know at the start of the daily check-in.

**Files Given:**

Lab-03 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)