Programming Lab 1

IS-2053-007, Spring 2022

For this lab, you will be writing a program that uses the topics introduced in Chapters 2, 3, & 4 of the textbook. For your reference, they are **Input, Processing, and Output**, **Decision Structures and Boolean Logic,** and **Repetition Structures.**

**Instructions:**  Write a program in Python that performs the following actions:

* Ask the user for their name.
* Print this message to the console: “Hello [insert user’s name here]. Welcome to the Python Pizza chooser.”
* Print another statement with three types of pizzas the user can choose: cheese, pepperoni, and supreme. You can write this sentence on your own.
* Using a **Decision Structure(s)**, allow the user to choose which pizza(s) they wish to buy.
* Using a **Repetition Structure**, continue to ask the user if they want to order another pizza until they answer: “no”. You will need to deal with case here, so force their input into either lower or upper case.
* Once the user has chosen to finalize their order, print the following statement: “Thank you [insert name here]. The [insert number of pizzas here] pizzas you ordered will be ready in 30 minutes.”

**Programming Concepts Used:**

* User Input
* Processing User Input
* Printing data to standard out.
* Using Decision Structures, like **if/else** statements and/or **true & false**.
* Using Repetition Structures, like **for loops** and **while loops**.

**Grading Criteria:**

Your program will be written in the Spyder IDE. Your program will be graded with the following rubric:

* You will receive -50 points if your program is submitted with errors (meaning it will not run when I execute it in Spyder)
* You will receive -10 points for each **Programming Concept** you fail to implement in the program. Refer to the above section for concepts you need to implement.
* You will receive a 0 if you submit someone else’s work or copy a similar program from the internet.
* If you submit a working program, that uses all the concepts mentioned above, then you will receive the full 100 points.

**Submission Process:**

Name the file **[firstName\_lastName\_Lab1].py**

Please submit the .py file, which will likely be saved in the C://users/yourname/.spyder-py3 directory, to the Lab 1 Assignment drop-box.