Lab #1 (10 points) Running Python Codes

Task #1: Python Interpreter – line by line execution (5 pts)
Execute the following codes and observe results on a Python interpreter. Capture codes and results using screenshot. Type in code to interpreter, do not copy and paste. If any syntax error occurs, please fix it and then run again. (Don't have to submit error message.) No worries if the output value is not what you expected. Note: (1) a Python string can be enclosed by either double quote ("xyz") or single quote ('xyz'); (2) here >>> refers to interpreter prompt. Your interpreter may have different prompt.

```
>>>print("Welcome to Soda Machine")
>>>print("Alvin's purchase: ")
>>>eachCan = 5   #5 dollars for each can
>>>bought = 3        #bought 3 cans
>>>print("Alvin needs to pay", eachCan * bought, "dollars")
>>>print("Now Terri is using the machine.")
>>>eachCan = input("Please enter the unit price: ")
>>>bought = int(input("How many cans you bought? "))
>>>print("Terri needs to pay", eachCan * bought, "dollars")
```

Task #2: Python IDE – program execution (5 pts)
Use Task #1 code as an example (feel free to modify) and type in as a complete Python program into an IDE of your choice. Save the program as Lab1_FirstInitialLastName.py (e.g. Lab1_lyang.py). Execute the program. Copy results to the end of the codes and comment it. (Note: Python line comment start with #, block comments start and end with "'.)
Sample Python code (note: The code below for showing format as well as for pratice only. For Lab1, you need to write code that does the same job as in Task #1.)

```
#Name: Lan Yang
#Lab 1 – Task 2
#This program will print a few lines of greeting
print("Hello, World")
print("Welcome to CS2520: Python for Programmers")
print("Enjoy your first lab exercise.")
```

Submission Instruction.
1. For test 1, submit the screenshot.
2. For test 2, submit a .py file with program output attached at the end of .py file as comments.
3. Submit both files on Canvas.

Grading criteria:
For each Task, we check code correctness (i.e. no syntax error), successful execution, proper use of file names, and submission as required.