**COMP 1800 – Fall 2016**

**Classwork 8: Program Input**

**(16 points)**

Number of People: Teams of up to 2. If you work with a teammate, only one submission is needed. Be sure to put both of your names in a comment at the top of each source code file, as well as in the eCourseware notes box when you submit. Feel free to ask me or Swaroop for help!

Due: Sept. 29, by the end of class

Submission: Zip all of your Python script files into a single file, and submit that zip file to the appropriate folder on eCourseware.

Grader: TA, Swaroop Goli ([ssgoli@memphis.edu](mailto:ssgoli@memphis.edu)). Questions about grading? Please contact him first!

1. **(8 pts) Save your script file as: CW8Problem1**In script mode, write a Python program that converts currency from U.S. dollars to Japanese yen. The current exchange rate (as of Sept. 29, 2016) is 1 USD = 101.05 JPY. Example of what your program might look like when you run it (the underlined parts indicate what you type in as the program is running):  
     
   Enter the amount of U.S. money in dollars: 133.75  
   You have 13515.4375 yen to spend in Japan!  
     
   Hints: Your program needs to start by allowing you to enter the amount of U.S. money. Use the input command for this, and treat the data as the float type. Once you have the amount of U.S. money stored into a variable, the program needs to convert that amount into JPY and display the result.
2. **(8 pts) Save your script file as: CW8Problem2**In script mode, write a Python program that allows the user to enter two inputs: a string and an integer. The program should print that string for that many times, skipping one line between each repetition. You could totally use this program to generate some (very boring) poetry.  
     
   Example of what your program might look like when you run it (the underlined parts indicate what you type in as the program is running):  
     
   Enter a string: this is exciting  
   How many times do you want to print that? 4  
   this is exciting  
     
   this is exciting  
     
   this is exciting  
     
   this is exciting  
     
     
   Hints: Use what you know about newline characters, string repetition, and string concatenation!