CSCI 301 Survey of Scripting Languages
Fall 2017
Lab 3 - Python

Summary:
The objective of this lab assignment is to become familiar with Python programming.

Instructions:
1. Write a function named `max()` that takes 3 scalar numbers (not a list or tuple) as arguments and returns the highest number.

2. Write a function named `median()` that takes a list of numbers as its argument and returns the median of the numbers in the list. If the list has an <u>even number of numbers</u> in it, return the median in the form of a <u>tuple</u> containing the middle 2 numbers, instead of a calculated median.

3. Write a function named `vowel()` that takes a string argument and returns True if <u>ANY</u> character in the string is a vowel (do not include 'y' as a vowel), or False otherwise.

4. Write a function named `consonant()` that takes a string argument and returns True if <u>EVERY</u> character in the string is a consonant (include 'y' as a consonant), or False otherwise.

5. Write a function named `palindrome()` that takes a string argument consisting of a single word and returns True if the string argument is a palindrome or False otherwise. (i.e. `palindrome("racecar")` returns True, but `palindrome("cat")` returns False)

6. Include code that tests each function after the function definition.
   For example: `print max(1, 2, 3)`

7. Commit your code changes to your repo.
   `$ git commit -m "lab 3"`

8. Push your commits to your fork on GitHub.
   `$ git push`

NOTE: To get you started I have included the function names in the lab03.py file as well as the parameters each function receives. Your task is to <u>implement</u> the functions <u>in Python</u>. You may use any Python data structures or any additional functions that you have written yourself to perform the operations described above. To receive full credit, your code must run without errors, produce the correct output, and meet all the required specifications.

Due: Wednesday, September 27, 11:59 PM