**Python Review 2**

Directions: Complete each of the programs below and submit them before the beginning of class on the date specified in the assignment sheet. Submit copies of your code and screenshots of the code running with each task. Use your notes and scripts from your Python class and the website, <https://w3schools.com/python> or other Internet references as reference guides for this review assignment. Also, be sure to use the document, Script Requirements as a guide to writing good code. Full credit will not be earned if you do not meet these script requirements. The one exception is that in the first two weeks, your code does not need to completely validate all inputs unless specified. **20 points**

1. Write a script that:
   1. Asks a user for their First Name and Last Name (less middle initial) in one prompt. Save their First and Last name in the same variable.
   2. Have the script welcome them by replying: “Welcome to Python, firstname. Lastname is a really interesting surname! Are you related to the famous Victoria lastname?”
   3. For example:

Enter your full name without your middle initial: Denny Wright

Welcome to Python, Denny. Wright is a really interesting surname! Are you related to the famous Victoria Wright?

**Hint 1: One way to address this is to use the split() string method. Note that a list is returned. You will need to access the list in the output in 1c or save the list elements into separate string variables for first and last name to be used for output. You may want to use the capitalize() method too, to ensure that the first letter of the Given and Surnames are capitalized.**

**Hint 2: Python is sensitive to indentation. For example, command blocks in For loops, While loops, or IF blocks must be indented by the same amount or Python will throw an error**

**Hint 3: The assignment operator is = and the comparison operator is == See Python Operator section of W3Schools for reference**

**Hint 4: Python Lists are accessed with their index.**

1. If you haven’t already, modify the script to verify that the user has entered two names only. While it is possible to have two given names, we won’t address that now so that we can keep our code simpler. If the user only enters one name like Denny instead of Denny Wright, it should give an error, prompting them re-enter their full name. Moreover, if the user enters three or more names, it should give the same error.

**Hint: You will need to use something like a while loop with a Boolean control variable that will check your user input. If the input has the correct number of names, your script will exit the while loop and continue with executing the output. If the number of names is wrong, you will display an error message and allow the loop to ask for a name again. You can use the len function (i.e., len(listName)) to determine how many elements are in your list that was created by the split method.**

1. Bonus 10 points if your code verifies that only alpha characters were entered in your names. In other words, 23, wri45, and Denny6 would all be invalid names.

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated