**Description:**You will become familiar with the Spyder IDE and begin writing code using data types and expressions.

* Please complete the following assignments and submit by Saturday August 15 by 11:59PM:
  1. Create a program that asks the user to enter their name and their age. Print out a message addressed to them that tells them the year that they will turn 100 years old.
  2. Take two lists, say for example these two:
  3. a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]

b = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13]

and write a program that returns a list that contains only the elements that are common between the lists (without duplicates). Make sure your program works on two lists of different sizes.

* 1. Write a program (using functions!) that asks the user for a long string containing multiple words. Print back to the user the same string, except with the words in backwards order. For example, say I type the string:

My name is Michele

Then I would see the string:

Michele is name My

shown back to me.

* 1. Write a program that takes a list of numbers (for example, a = [5, 10, 15, 20, 25]) and makes a new list of only the first and last elements of the given list. For practice, write this code inside a function.
  2. Exercise Question 3: Given 2 strings, s1, and s2 return a new string made of the first, middle and last char each input string

**Given**:

s1 = "America"

s2 = "Japan"

**Expected Output**:

AJrpan

Please turn in your work for Week1 to this folder.