Recursion Practice 1 | CSCI 203 | Created by: Evan Peck Revised: Xiannong Meng

1. Given an integer n, return the sum of numbers from 1 to n. For example,

- one_to_sum(3) should return 6 (1+2+3 == 6)
- one_to_sum(5) should return 15 (1+2+3+4+5 == 15)

2. Given a list of numbers num_list, return the sum of all the numbers in num_list. For example,

- sum_list([2, 6, 9]) should return 17
- sum_list([4]) should return 4

3. Given an integer n, return a list containing the first n multiples of 5. For example,

- mult_of_five(1) should return [5]
- mult_of_five(3) should return [5, 10, 15]

4. Given the base b and an exponent n, compute base to the power of n. For example,

- power_n(2, 2) should return 4
- power_n(2, 3) should return 8
- power_n(3, 2) should return 9

5. Given a string my_string, return a new string in which each letter is doubled. For example,

- double_letters("hi") should return "hhii"
- double_letters("hello") should return "hheelllloo"

6. Given a string my_string, return a string WITHOUT all the letter x's. For example,

- no_x("x1xx2x3") should return "123"
- no_x("xxx") should return ""

7. Given a string my_string, return a string in which all the characters are separated by *. For example,

- all_star("hello") should return "h*e*l*l*o"
- all_star("hi") should return "h*i"