Assignment-11(Recursion)

1> Write a Python program to calculate the sum of a list of numbers.

2> Write a Python program to converting an Integer to a string in any base.

3> Write a Python program of recursion list sum.
   Test Data: [1, 2, [3,4], [5,6]]
   Expected Result: 21

4> Write a Python program to get the factorial of a non-negative integer.

5> Write a Python program to solve the Fibonacci sequence using recursion.

6> Write a Python program to get the sum of a non-negative integer.
   Test Data:
   sumDigits(345) -> 12
   sumDigits(45) -> 9

7> Write a Python program to calculate the sum of the positive integers of n+(n-2)+(n-4)... (until n-x =< 0).
   Test Data:
   sum_series(6) -> 12
   sum_series(10) -> 30

8> Write a Python program to calculate the value of 'a' to the power 'b'.
   Test Data :
   (power(3,4) -> 81

9> Write a Python program to find the greatest common divisor (gcd) of two integers.