**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.