**Name: Session:**

**Programming II**

**Lab Exercise 5.16.2023**

1. Write a program in C# Sharp to find the sum of the series



Test Data :  
Input the value of x : 2  
Input number of terms : 5  
The sum = 410

1. Write a program to display the n terms of square natural number and their sum.    
   1 4 9 16 ... n terms  
   Test Data :  
   Input the number of terms : 5  
   Expected Output :  
   The square natural up to 5 terms are :1 4 9 16 25  
   The Sum of Square Natural Number up to 5 terms = 55

1. Write a program to display the number in reverse order.

Test Data :  
Input a number: 12345  
Expected Output :  
The number in reverse order is : 54321

1. Write a program to display a pattern using the alphabet.  The user will input that last letter to be used. If the user specified the character ‘D’, the following pattern will be generated.

A

A B A

A B C B A

A B C D C B A

Note: Only upper case characters will be used.