**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Session: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Programming II**

**Lab Exercise 6.6.2023**

Write the following as Console Applications. When you complete these programs, place your completed projects in your Turn In Folder.

1. Write a C# Sharp program to get the absolute difference between n and 51. If n is greater than 51 return triple the absolute difference.

*Sample Input*:  
53  
30  
51  
*Expected Output*:

6

21

0

1. Write a C# Sharp program to create a new string where 'if' is added to the front of a given string. If the string already begins with 'if', return the string unchanged.

*Sample Input*:  
"if else"  
"else"  
*Expected Output*:

if else

if else

1. Write a C# Sharp program to remove the character in a given position of a given string. The given position will be in the range 0.. string length -1 inclusive.

*Sample Input*:  
"Python", 1  
"Python", 0  
"Python", 4  
*Expected Output*:

Pthon

ython

Pythn

1. Write a C# Sharp program to exchange the first and last characters in a given string and return the new string.

*Sample Input*:  
"abcd"  
"a"  
"xy"  
*Expected Output*:

dbca

a

yx

1. Write a C# Sharp program to create a new string with the last char added at the front and back of a given string of length 1 or more.

*Sample Input*:  
"Red"  
"Green"  
"1"  
*Expected Output*:

dRedd

nGreenn

111