1. Write a program to input a string and print it.  
     
   **Test Data**:

Input the string: Welcome, w3resource

**Expected Output**:  
The string you entered is: Welcome, w3resource

1. Write a program to find the length of a string without using the library function.  
     
   **Test Data**:

Input the string: syncfusion

**Expected Output**:

The length of the string is: 10

1. Write a program to separate the individual characters from a string.  
     
   **Test Data**:

Input the string: syncfusion software

**Expected Output**:

The characters of the string are:

s y n c f u s i o n s o f t w a r e

1. Write a program to count the total number of words in a string.  
     
   **Test Data**:

Input the string: Welcome to Syncfusion software

**Expected Output**:

The total number of words in the string is: 4

1. Write a program to compare two strings without using string library functions.  
     
   **Test Data**:

Input the 1st string: This is first the string

Input the 2nd string: This is first the string

**Expected Output**:

The length of both strings is equal and also both strings are equal.

1. Write a program in C# Sharp to count the total number of vowels or consonants in a string.  
     
   **Test Data**:

Input the string: Welcome to Syncfusion software

**Expected Output**:

The total number of vowels in the string is: 10

The total number of consonants in the string is: 17

1. Write a program to insert a substring before the first occurrence of a string.  
     
   **Test Data:**

Input the original string: this is a string

Input the string to be searched for: a

Input the string to be inserted: test

**Expected Output**:

The modified string is: this is test a string

1. Write a program to compare the last names of two people. It then lists them in alphabetical order.  
     
   **Test Data:**

Enter the name of person 1: John Peterson

Enter the name of person 2: Michel Jhonson  
**Expected Output:**

Sorted alphabetically by last name:

Michel Jhonson

John Peterson

1. Write a program to perform an ordinal comparison of two strings that only differ in case.  
     
   **Test Data:**

Enter the string 1: JAVA

Enter the string 2: python  
**Expected Output:**

String 'JAVA' is less than String 'python'.

1. Write a program to reverse a given string in uppercase.  
     
   **Expected Output**:

Original string: php

Said string in uppercase: PHP

Original string: java

Said string in uppercase: AVAJ

Original string: abcd

Said string in uppercase: DCBA