**This time try writing comments in the code.**

1. Write a program in C# to count the total number of words in a string.  
   Test input: This is w3resource.com  
   Expected Output :

Total number of words in the string is : 3

2. Write a program in C# to count a total number of alphabets, digits and special characters in a string.

***Hint: there are methods you can use for this in Char.*** *Also, can you think of a way to find out without the functions?*  
 Test input : Welcome to w3resource.com  
 Expected Output :

Number of Alphabets in the string is : 21

Number of Digits in the string is : 1 Number of Special characters in the string is : 4

3. Write a program in C# to sort a string array in ascending order.  
Test input : this is a string  
Expected Output :

After sorting the string appears like : a g h i i i n r s s s t t

4. Write a program in C# to read a sentence and replace lowercase characters by uppercase and vice-versa.  
Test input : This is a string  
Expected Output :

After conversion, the string is : tHIS IS A STRING

5. Write a program in C# to insert a substring before the first occurrence of a string.

Test input:  
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

6. Write a program in C# to write a few words and then list them in alphabetical order.

Test input:

How many words are you going to enter: 4

Enter the words:

Hello

Alpha

beta

bow

Expected Output:

Alpha

beta

bow

Hello

7. Write a program in C# to concatenate a few words and print them out in the console.

Test input:

How many words are you going to enter: 3

Enter the words:

Test

string

input

Expected Output: Test string input

8. Write a program in C# that prints an interactive menu and depending on the chosen option the user is able to do different operations.(You can also have submenus if you want) Try to return to the menu everytime when a operation is finished until the user wants to exit. *Also try to use methods.*

Example:

Menu

1. Concatenate strings
2. Sort a string
3. Find a substring in a string
4. Insert a substring on a certain place in a string
5. Delete a substring from a string

0.Exit