1. If the string s = "Hello Mom!", write a short sequence to print this string in reverse order.

2. Suppose that two strings are defined using the string class as follows:
   ```csharp
   string str1 = "Hello Mom! I like Jello.";
   string str2 = "Dogs don't care much for Jello";
   ```
   A) Write a short sequence to concatenate the two strings and print the length of the resulting string.

   B) Write a loop that searches through the concatenated string and counts the number of spaces. Print this number to the console.

3. Given the following string: "I like green jello on St. Patrick's Day." Write a short sequence to print the words of this sentence in a column like this:
   ```
   I
   like
   jello
   ...
   ```

4. Given the sentence "Yes! I like bananas". Use the string functions to insert the word "don't" into this sentence so that it reads "Yes! I don't like bananas".

5. Show what each of the following sequences using string operations prints. In each case, the sequence is preceded by the following declarations:
   ```csharp
   int n = 0;
   string s1 = "Mississippi";
   string s2 = "abcfed";
   string s3 = "Geronimo";
   ```
   A) 
   ```csharp
   Console.WriteLine(s1[7]);
   ```
   B) 
   ```csharp
   n = s1.CompareTo(s2);
   Console.WriteLine(n);
   ```
   C) 
   ```csharp
   s1 = s1.ToUpper();
   Console.WriteLine(s1+S2);
   ```
   D) 
   ```csharp
   if(s1.CompareTo(s2) == -1)
   Console.WriteLine(s3);
   else
   Console.WriteLine(s1);
   ```
   E) 
   ```csharp
   s1 = s2 + s3;
   Console.WriteLine(s1);
   ```
   F) 
   ```csharp
   s1 = s3.Substring(4, 4) + s2;
   Console.WriteLine(s2);
   ```
   G) 
   ```csharp
   n = s1.IndexOf("cd");
   Console.WriteLine(n);
   ```
   H) 
   ```csharp
   s2=s1.Replace("is","si");
   ```