Write an interface named IStringOperations with the following information:

|  |  |  |
| --- | --- | --- |
| IStringOperations | Where:   * countVowels(value:String):int – count the vowels in a string * reverseString(value:String):int – reverse a string |  |
| + countVowels(String value):int  + reverseString(String value):String |

Write a class named StringProcessor, which implements the interface IStringOperations. The class StringProcessor implements all methods in IstringOperations.

The program output might look something like this:

|  |  |
| --- | --- |
| #Case 1:  1. Count Vowels  2. Reverse String  Enter Test Case No.(1/2):1  Enter a string:hifpt  OUTPUT:  1  -----------------------------------------------------  #Case 2:  1. Count Vowels  2. Reverse String  Enter Test Case No.(1/2):1  Enter a string:fpt  OUTPUT:  0 | #Case 3:  1. Count Vowels  2. Reverse String  Enter Test Case No.(1/2):2  Enter a string:fptsg  OUTPUT:  gstpf  -----------------------------------------------------  #Case 4:  1. Count Vowels  2. Reverse String  Enter Test Case No.(1/2):2  Enter a string:fpttpf  OUTPUT:  fpttpf |