Programming Advanced for QA – Regular Exam

17 December 2023

Submit your zip file here: https://judge.softuni.org/Contests/Compete/Index/4499#0

1. Unit Test: Camel Case Converter

Test a given method which takes in **a string** and **convert it into camel case.**

Examples

Argument	Returned string value
test	test
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The method is found in the **CamelCaseConverter.cs** file:

```csharp
public class CamelCaseConverter
{
    4 references
    public static string ConvertToCamelCase(string input)
    {
        string[] words = input.Split(separator: ' ');
        StringBuilder sb = new(words[0].ToLower());

        for (int i = 1; i < words.Length; i++)
        {
            sb.Append(words[i].Substring(startIndex: 0, length: 1).ToUpper());
            sb.Append(words[i].Substring(1).ToLower());
        }

        return sb.ToString();
    }
}
```

You are given a **test file CamelCaseConverterTests.cs** containing **4 empty tests**. Implement all tests:

Follow us:

```
public class CamelCaseConverterTests
{
    [Test]
    0 references
    public void Test_ConvertToCamelCase_EmptyString_ReturnsEmptyString()...

    [Test]
    0 references
    public void Test_ConvertToCamelCase_SingleWord_ReturnsLowercaseWord()...

    [Test]
    0 references
    public void Test_ConvertToCamelCase_MultipleWords_ReturnsCamelCase()...

    [Test]
    0 references
    public void Test_ConvertToCamelCase_MultipleWordsWithMixedCase_ReturnsCamelCase()...
}
```

When you are ready make sure your **tests run:**

```
▲ ✔ CamelCaseConverterTests (4)
    ✔ Test_ConvertToCamelCase_EmptyString_ReturnsEmptyString
    ✔ Test_ConvertToCamelCase_MultipleWords_ReturnsCamelCase
    ✔ Test_ConvertToCamelCase_MultipleWordsWithMixedCase_ReturnsCamelCase
    ✔ Test_ConvertToCamelCase_SingleWord_ReturnsLowercaseWord
```

IMPORTANT: DO NOT REMOVE OR CHANGE ANY NAMESPACES AND USINGS.