

Complete the method/function so that it converts dash/underscore delimited words into camel casing. The first word within the output should be capitalized **only** if the original word was capitalized (known as Upper Camel Case, also often referred to as Pascal case).

Examples


"the-stealth-warrior" gets converted to "theStealthWarrior"

"The_Stealth_Warrior" gets converted to "TheStealthWarrior"

```
using System;

public class Kata
{
    public static string ToCamelCase(string str)
    {
        return str;
    }
}
```

#

Camel case	Pascal case
(sometimes stylized as camelCase or CamelCase ; also known as medial capitals) is the practice of writing phrases without spaces or punctuation , indicating the separation of words with a single capitalized letter, and the first word starting with either case.	is a programming naming convention where the first letter of each compound word in a variable is capitalized .
	Ex: TotalValue

String: Array/ series of characters

➤ **String Indexing**:

Character	t	h	e	-	s	t	e	a	l	t	h	-	w	a	r	r	i	o	r
Index	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Ex: 1.

```
string s = "the-stealth-warrior";
Console.WriteLine(s[5]);
```

Output: t

2. to get the last char

```
string s = "the-stealth-warrior";
Console.WriteLine(s[s.Length]);
```

Output: Run Time Error

```
string s = "the-stealth-warrior";
Console.WriteLine(s[s.Length-1]);
```

Output: r

- Strings are **immutable**(cannot be changed once created): you can retrieve the character at a certain position, but you cannot **change** the character to a new one directly.

```
string s = "the-stealth-warrior";  
string x;
```

Error

```
for (int i=0;i<s.Length;i++)  
{  
    x[i] = s[i];  
}
```

➤ **StringBuilder:**

- A mutable string class. (Mutability means that once an instance of the class has been created, it can be modified by appending, removing, replacing, or inserting characters.)
- C# introduced the StringBuilder in the `System.Text` namespace.
- <https://docs.microsoft.com/en-us/dotnet/api/system.text.stringbuilder?view=net-5.0>

Solution:

```
using System;  
using System.Text;  
public class Kata  
{  
    public static string ToCamelCase(string str)  
    {  
        StringBuilder sb = new StringBuilder();  
  
        for (int i = 0; i < str.Length ; i++)  
        {  
            if (str[i] == '-' || str[i] == '_')  
            {  
                i++;  
                sb.Append(char.ToUpper(str[i]));  
            }  
            else sb.Append(str[i]);  
        }  
        str = sb.ToString();  
        return str;  
    }  
}
```

```
using System;  
using System.Text;  
  
public class Kata  
{  
    public static string ToCamelCase(string str)  
    {  
        var sb = new StringBuilder();  
        for (int i = 0; i < str.Length; i++)  
        {  
            if (str[i] != '-' && str[i] != '_') sb.Append(str[i]);  
            else sb.Append(char.ToUpper(str[++i]));  
        }  
        return sb.ToString();  
    }  
}
```