視窗程式設計

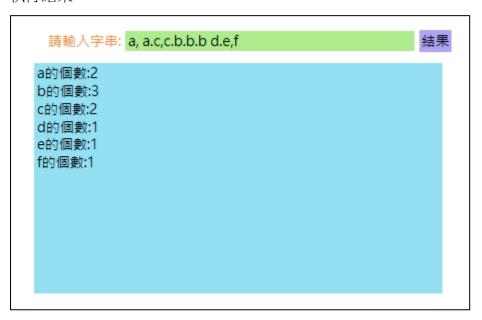
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題目:

設計一個視窗程式來完成以下功能:

- 1. 自TextBox或TextBlock取得一個字串,字串為一連串的字母與特殊符號(空格鍵,逗點,句點)所組成。
- 2. 使用字串分割函式, 將字串分割成個別的字母, 並統計每一字母出現的次數。如上例,
- 字串範例如下:
- a, a, a, b, , .b c. c a. a,d,d a c, c, b, b c
 - 顯示結果如下:
- a: 6
- b: 4
- c: 5
- d: 2

執行結果:



請輸入字串: a,a,a,b,,,b c. c a. a,d,d a c, c,b,b c	結果
a的個數:6	
b的個數:4 c的個數:5	
d的個數:2	

```
using System;
 2 using System.Collections.Generic;
 3 using System.Linq;
 4 using System. Text;
 5 using System. Threading. Tasks;
 6 using System. Windows;
    using System. Windows. Controls;
 8 using System.Windows.Data;
 9 using System. Windows. Documents;
10 using System.Windows.Input;
11 using System. Windows. Media;
    using System. Windows. Media. Imaging;
    using System. Windows. Navigation;
14
    using System. Windows. Shapes;
15
16
    namespace hw3
17
    {
18
      /// <summary>
19
      /// Interaction logic for MainWindow.xaml
20
      /// </summary>
21
      public partial class MainWindow: Window
22
23
        public MainWindow()
24
25
          InitializeComponent();
26
        private void Button_Click(object sender, RoutedEventArgs e)
27
28
           {\bf char}[] \ alp = \{ \hbox{'a','b','c','d','e','f','g','h','i','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y','z' \}; \\
29
30
          string num1 = textbox1.Text;
          string[] separators =num1.Split(new char[] { ' ',',.'});
31
          32
33
          for (int i = 0; i < separators.Length; ++i)</pre>
34
35
             separators[i] = separators[i].ToLower();
36
             for (int j = 0; j < separators[i].Length; ++j)</pre>
37
38
               for (int k = 0; k < 26; ++k)
39
               {
40
                if (separators[i][j] == alp[k])
41
42
                   num[k]++;
43
44
45
46
47
          for (int i = 0; i < 26; ++i)
48
49
             if (num[i] != 0)
50
               textbox2.AppendText(alp[i] + "的個數:" + num[i]);
51
52
53
            textbox2.AppendText("\r\n");
54
          }
55
        }
      }
56
```

58