

HW#5

第 10 章 實作題 3

```
1  namespace Chap10Test3_3
2  {
3      interface IPrice
4      {
5          double GetPrice();
6      }
7
8      class Car : IPrice
9      {
10         public double Price;
11         public string Name;
12         public string GetName() => Name = "557Y";
13         public double GetPrice() => Price = 12345678;
14     }
15     internal class Program
16     {
17         static void Main(string[] args)
18         {
19             Car bb = new Car();
20             Console.WriteLine("車子型號：" + bb.GetName().ToString());
21             Console.WriteLine("價格：" + bb.GetPrice());
22         }
23     }
24 }
```

第 11 章 實作題 第 1,

```
1  using System.Runtime.Intrinsics.X86;
2
3  namespace Chap11Test3_1
4  {
5      internal class Program
6      {
7          public static int Cube(int x) => x * x * x;
8          public static double Cube(double x) => x * x * x;
9          public static int MinElement(int a, int b, int c) => Math.Min(a, Math.Min(b, c));
10         public static int MinElement(int a, int b, int c, int d) => Math.Min(Math.Min(a, b), Math.Min(c, d));
11
12         static void Main(string[] args)
13         {
14             Console.WriteLine($"5的立方(int):{Cube(5)}");
15             Console.WriteLine($"5.0 的立方(double): {Cube(5.0):F1}");
16             Console.WriteLine($"三個數中之最小值(1, 2, 3): {MinElement(1, 2, 3)}");
17             Console.WriteLine($"四個數中之最小值(-1, -2, -3, -4): {MinElement(-1, -2, -3, -4)}");
18         }
19     }
20 }
21
```

第 12 章 實作題 第 3,

```
1      using System;
2
3      namespace Chap12Test3_3
4      {
5          internal class Program
6          {
7              public static void FeetToInches(double inches)
8              {
9                  double feet = inches / 12;
10                 Console.WriteLine($"{inches} 英吋 = {feet} 英尺");
11             }
12             public static void YardsToInches(double inches)
13             {
14                 double yards = inches / 36;
15                 Console.WriteLine($"{inches} 英吋 = {yards} 英碼");
16             }
17
18             public delegate void ConvertDelegate(double inches);
19
20             static void Main(string[] args)
21             {
22                 Console.Write("請輸入英吋：");
23                 double inches = double.Parse(Console.ReadLine());
24
25                 ConvertDelegate[] converters = {
26                     FeetToInches,
27                     YardsToInches
28                 };
29
30                 foreach (var converter in converters)
31                 {
32                     converter(inches);
33                 }
34             }
35         }
36     }
```

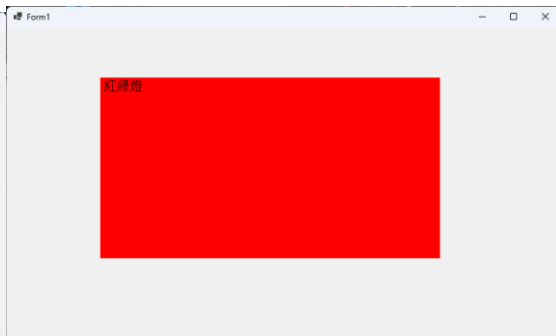
第 13 章 實作題 第 3,

```
1  namespace Chap13Test3_3
2  {
3      public partial class Form1 : Form
4      {
5          public Form1()
6          {
7              InitializeComponent();
8              label1.MouseDown += label1_MouseDown;
9          }
10         private void label1_MouseDown(object sender, MouseEventArgs e)
11         {
12             label1.BackColor = (e.Button == MouseButton.Left) ? Color.Red :
13                 (e.Button == MouseButton.Right) ? Color.Green : label1.BackColor;
14         }
15     }
16 }
```

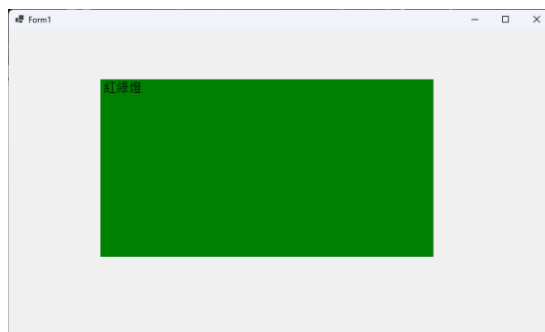
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按滑鼠右鍵



按滑鼠左鍵



第十五章 簡答題 第 4,5

4. Ans : (1) CreateText()方法 (2) AppendText()方法
5. Ans : OpenFileDialog 和 SavaFileDialog