程式邏輯、程式設計與 C#的基礎 HW5

Part1 問答題

1. 第十五章 第四題

   CreateText() , AppendText()

2. 第十五章 第五題

   OpenFileDialog, SaveFileDialog

Part2 實作題

1. 第十章 第三題

```csharp
interface IPrice
{
    double GetPrice();
}
public class Car : IPrice
{
    public double Price;
    public string Name;
    public double GetPrice()
    {
        return Price;
    }
    public string GetName()
    {
        return Name;
    }
}
```

2. 第十一章 第一題

```csharp
namespace U11
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int n = 10;
            Console.WriteLine($"Cube int Test:{Cube(n)}");
            double n2 = 10.0;
```

```csharp
            Console.WriteLine($"Cube double Test:{Cube(n2)}");
            int a = 20, b = 30, c = -23, d = 27;
            Console.WriteLine($"minElement three Element Test:{minElement(a,b,c)}");
            Console.WriteLine($"minElement three Element Test:{minElement(a, b, c,d)}");
        }
        static int Cube(int n) { return n * n * n;}
        static double Cube(double n) { return n * n * n; }
        static int minElement(int a,int b,int c,int d)
        {
            int[] arr = {a,b,c,d};
            return arr.Min();
        }
        static int minElement(int a, int b, int c)
        {
            int[] arr = { a, b, c };
            return arr.Min();
        }
    }
}
```

3. 第十二章 第三题

```csharp
namespace ConsoleApp2
{
    delegate double Mydelegate (double inches);
    class Myoperator
    {
        public double InchesToFeet(double inches)
        {
            return inches / 12;
        }
        public double InchesToYards(double inches)
        {
            return inches / 36;
        }
    }
    public  class Program
    {
        public static void Main(string[] args)
        {
```

```csharp
            Myoperator op = new Myoperator();
            Mydelegate inchToFeet = new Mydelegate(op.InchesToFeet);
            Mydelegate inchToYards = new Mydelegate(op.InchesToYards);
            Console.Write("請輸入英吋: ");
            double inches = Convert.ToDouble(Console.ReadLine());
            Console.WriteLine($"英尺為{inchToFeet(inches):F2} feet");
            Console.WriteLine($"英碼為{inchToYards(inches):F2} Yards");
        }
    }
}
```

4. 第十三章 第三題

```csharp
namespace U13
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }


        private void Form1_MouseClick(object sender, MouseEventArgs e)
        {
            if (e.Button == MouseButtons.Left)
                this.BackColor = Color.Yellow;
            else
                this.BackColor = Color.Green;
        }
    }
}
```