```csharp
1  using System;
2  using System.Collections.Generic;
3  using System.Drawing;
4  using System.Windows.Forms;
5
6  namespace Lab5
7  {
8      class PanelOperation : Panel
9      {
10
11         private readonly TextBox[] txt = new TextBox[3];
12         private readonly Label[] label = new Label[3];
13         private readonly ComboBox cbx = new ComboBox();
14         private readonly List<string> labelsText = new  List<string>() { "
               "العدد الأول" ,"العدد الثاني" ,"الناتج" };
15         public double TextN1 { get => GetDouble(txt[2]); set => txt[2].Text =
               value.ToString(); }
16         public double TextN2 { get => GetDouble(txt[1]); set => txt[1].Text =
               value.ToString(); }
17         public double TextN3 => GetDouble(txt[0]);
18
19         public PanelOperation()
20         {
21             InitializeComponent();
22         }
23
24         private void InitializeComponent()
25         {
26             Size = new Size(600, 200);
27             AutoSize = true;
28             AutoSizeMode = AutoSizeMode.GrowAndShrink;
29             // إنشاء الحقول والعناوين
30             for (int i = 0; i < 3; i++)
31             {
32                 label[i] = new Label()
33                 {
34                     Size = new Size(150, 40),
35                     Location = new Point((i == 2) ? i * 150 + 100 : i * 150 +
                       50, 10),
36                     Text = labelsText[i],
37                     Font = new Font("Tahoma", 12F)
38                 };
39
40                 txt[i] = new TextBox()
41                 {
42                     Size = new Size(150, 50),
43                     Location = new Point((i == 2) ? i * 150 + 100 : i * 150 +
                       20, 50),
44                     Font = new Font("Tahoma", 12F)
```

```csharp
45                };
46                txt[i].KeyPress += OnlyNumbers;
47
48                Controls.Add(label[i]);
49                Controls.Add(txt[i]);
50            }
51
52            // إنشاء القائمة المنسدلة
53            cbx.Width = 70;
54            cbx.Font = new Font("Tahoma", 12F);
55            cbx.Location = new Point(txt[1].Left + txt[1].Width + 2, 50);
56            cbx.Items.AddRange(new string[] { "+", "-", "*", "/" });
57            cbx.SelectedIndexChanged += (s, e) => PerformOperation();
58
59            Controls.Add(cbx);
60        }
61
62        private void OnlyNumbers(object sender, KeyPressEventArgs e)
63        {
64            if (!char.IsDigit(e.KeyChar) && e.KeyChar != '\b')
65         //      (e.KeyChar) Keys.Back
66                e.Handled = true;
67        }
68
69        private double GetDouble(TextBox txtBox)
70        {
71            return double.TryParse(txtBox.Text, out double value) ? value : 0;
72        }
73
74        private void PerformOperation()
75        {
76            if (cbx.SelectedItem == null || string.IsNullOrWhiteSpace(txt
                 [1].Text) || string.IsNullOrWhiteSpace(txt[2].Text))
77                return;
78
79            double num1 = TextN1, num2 = TextN2;
80            string result = txt[0].Text;
81
82            switch (cbx.SelectedItem.ToString())
83            {
84                case "+":
85                    result = (num1 + num2).ToString();
86                    break;
87                case "-":
88                    result = (num1 - num2).ToString();
89                    break;
90                case "*":
91                    result = (num1 * num2).ToString();
92                    break;
```

```
 93                    case "/":
 94                        result = (num2 != 0) ? (num1 / num2).ToString() : "خطأ";
 95                        break;
 96                }
 97
 98            txt[0].Text = result;
 99        }
100    //    private void PerformOperation()
101    //    {
102    //        if (cbx.SelectedItem == null || string.IsNullOrWhiteSpace(txt ↪
         [1].Text) || string.IsNullOrWhiteSpace(txt[2].Text))
103    //            return;
104
105    //        double num1 = TextN1, num2 = TextN2;
106    //        txt[0].Text = cbx.SelectedItem.ToString() switch
107    //        {
108    //            "+" => (num1 + num2).ToString(),
109    //            "-" => (num1 - num2).ToString(),
110    //            "*" => (num1 * num2).ToString(),
111    //            "/" => (num2 != 0) ? (num1 / num2).ToString() : " خطأ",
112    //            _ => txt[0].Text
113    //        };
114    //    }
115    }
116 }
117
```