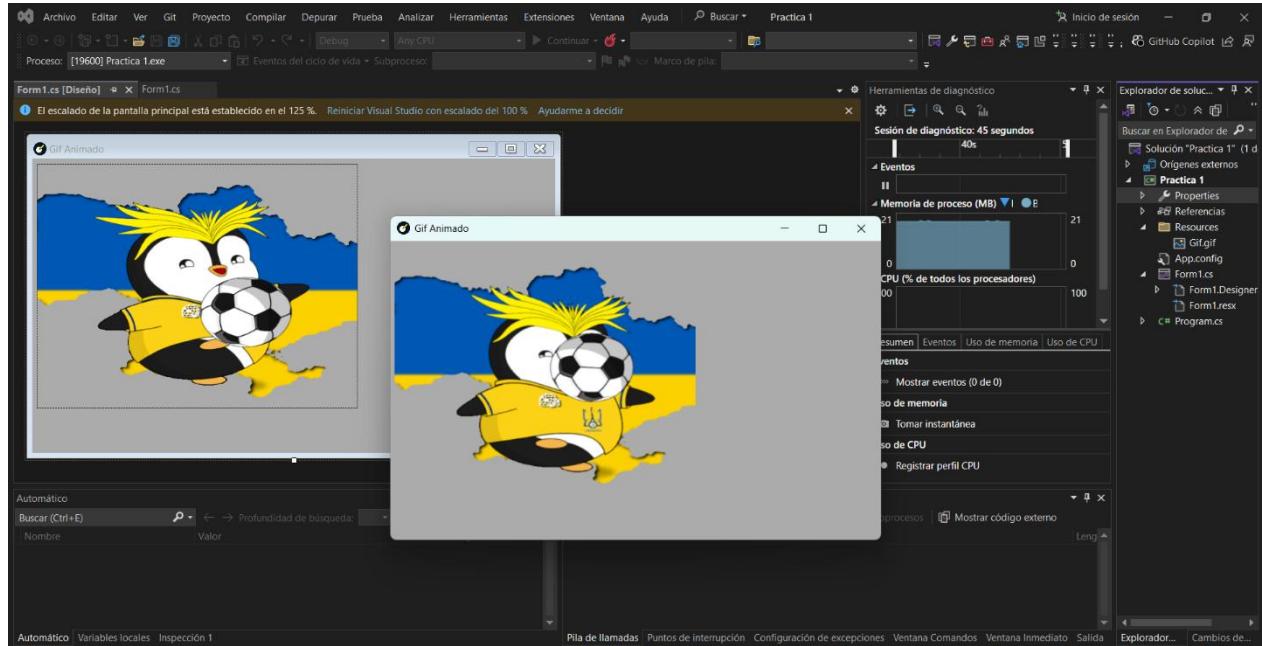
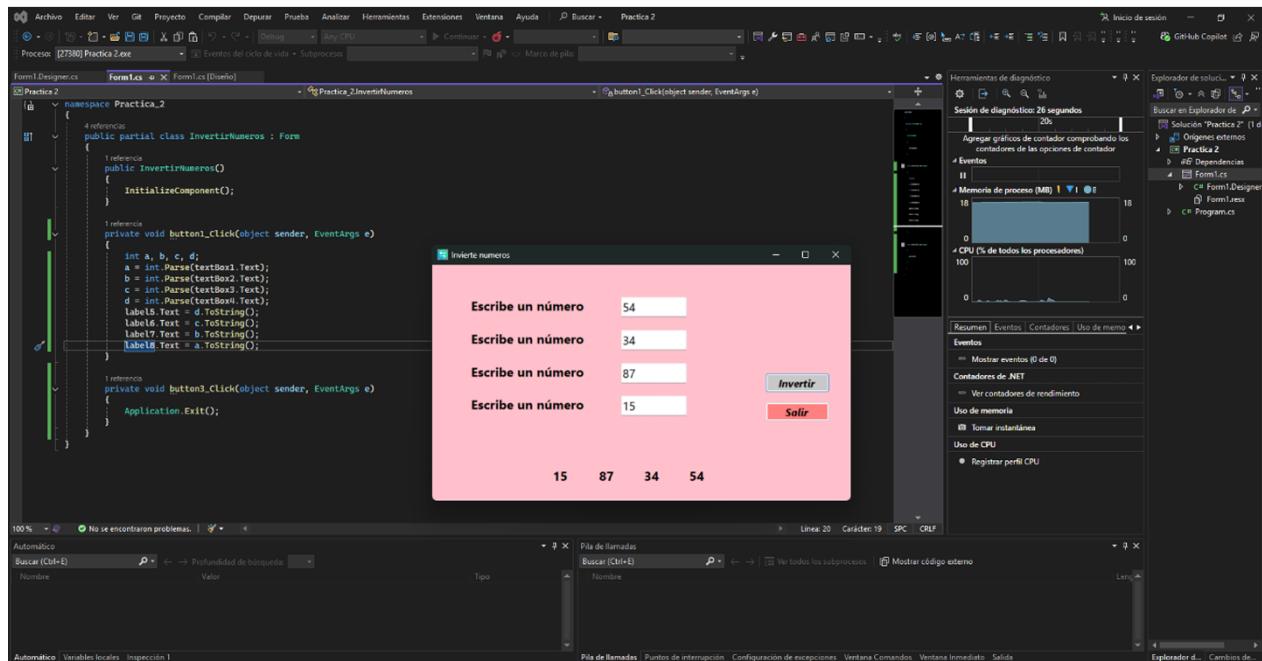


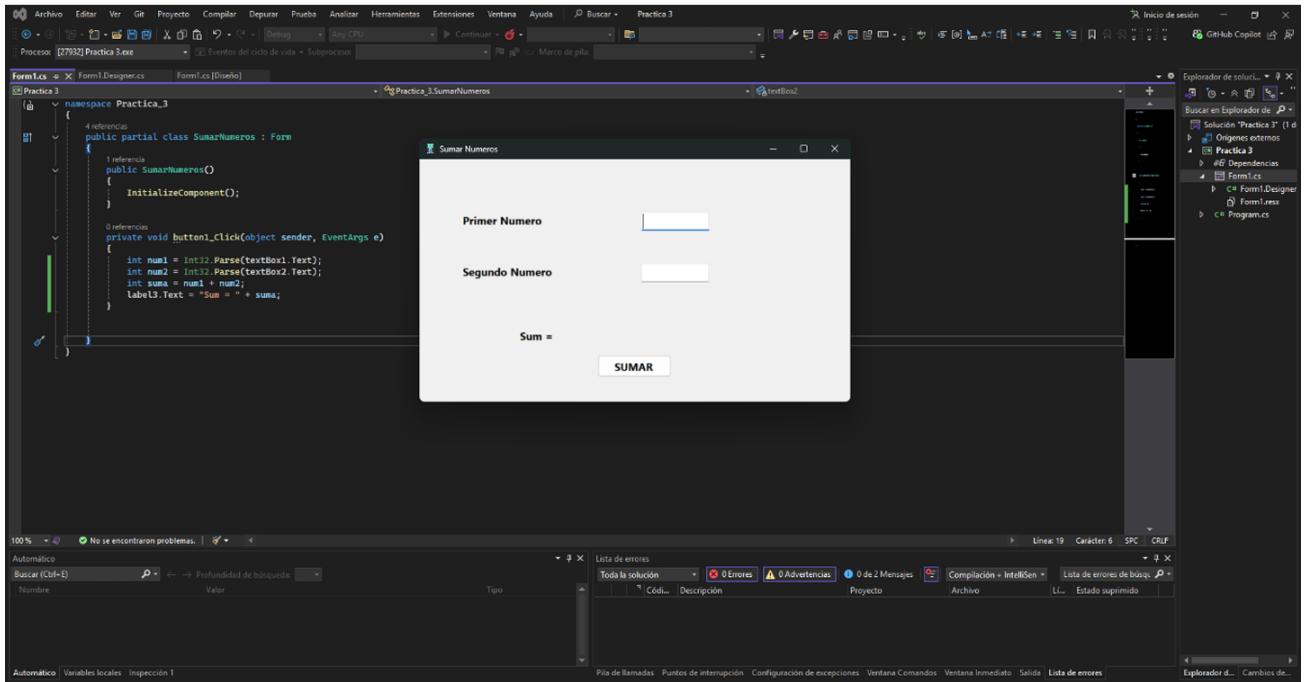
GIFT.



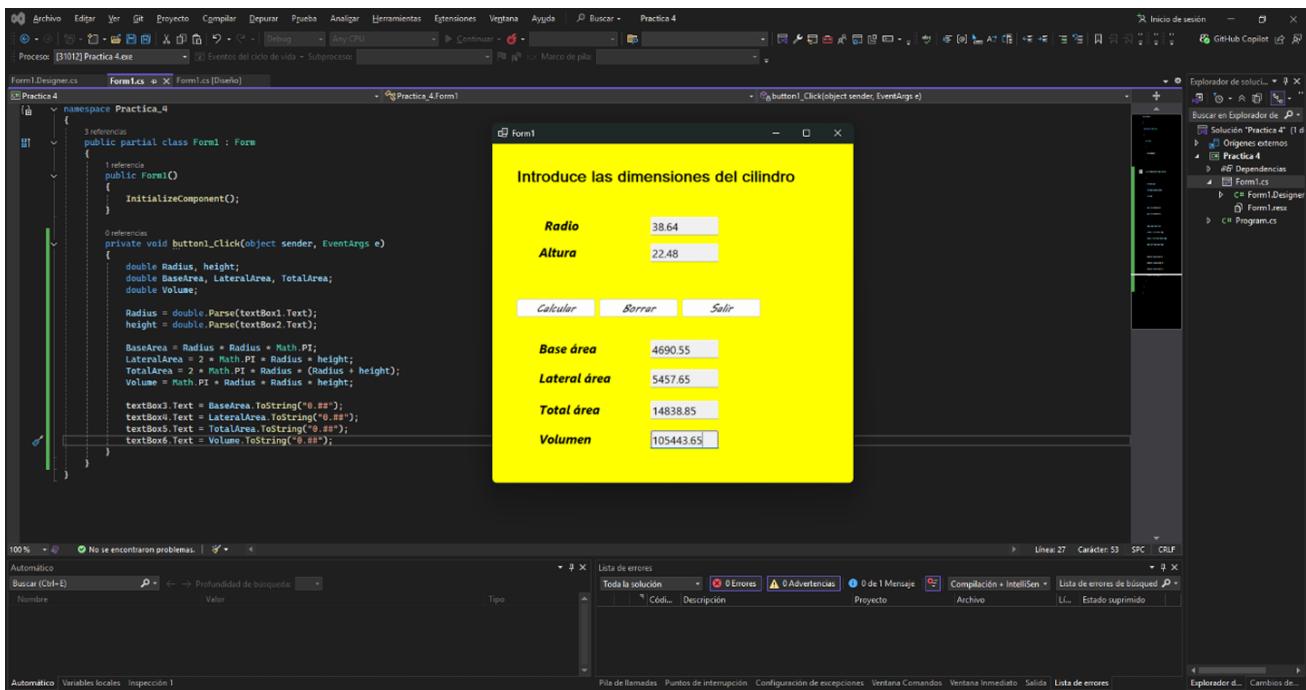
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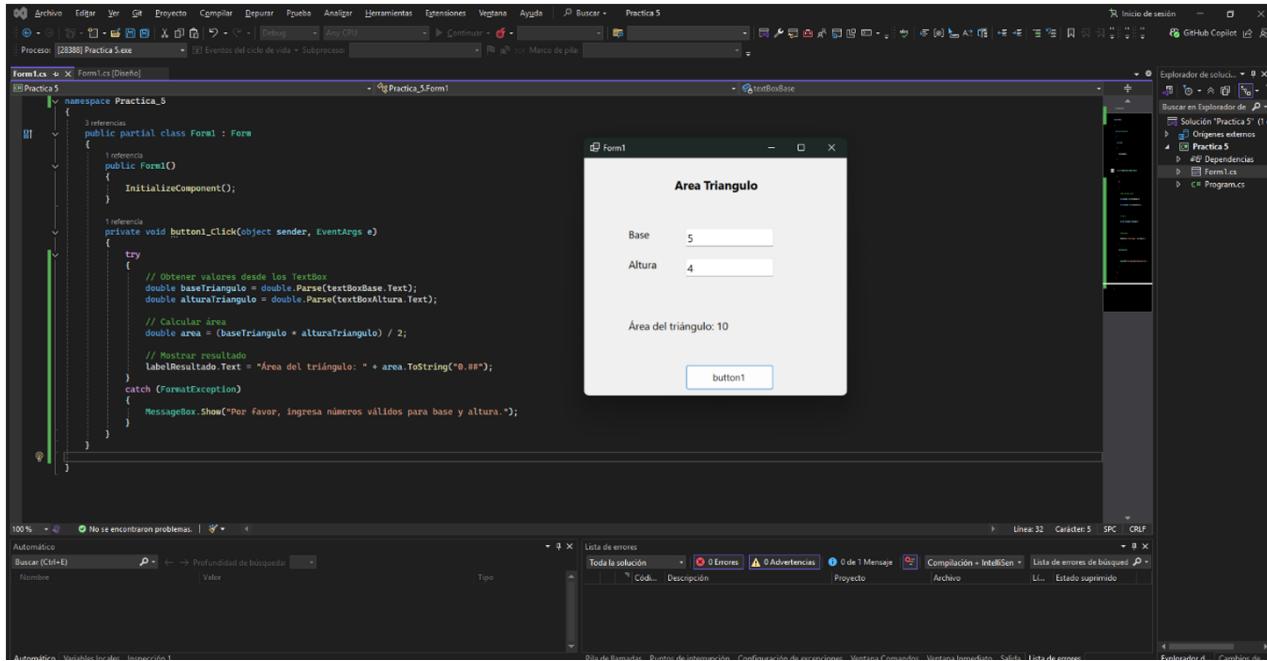
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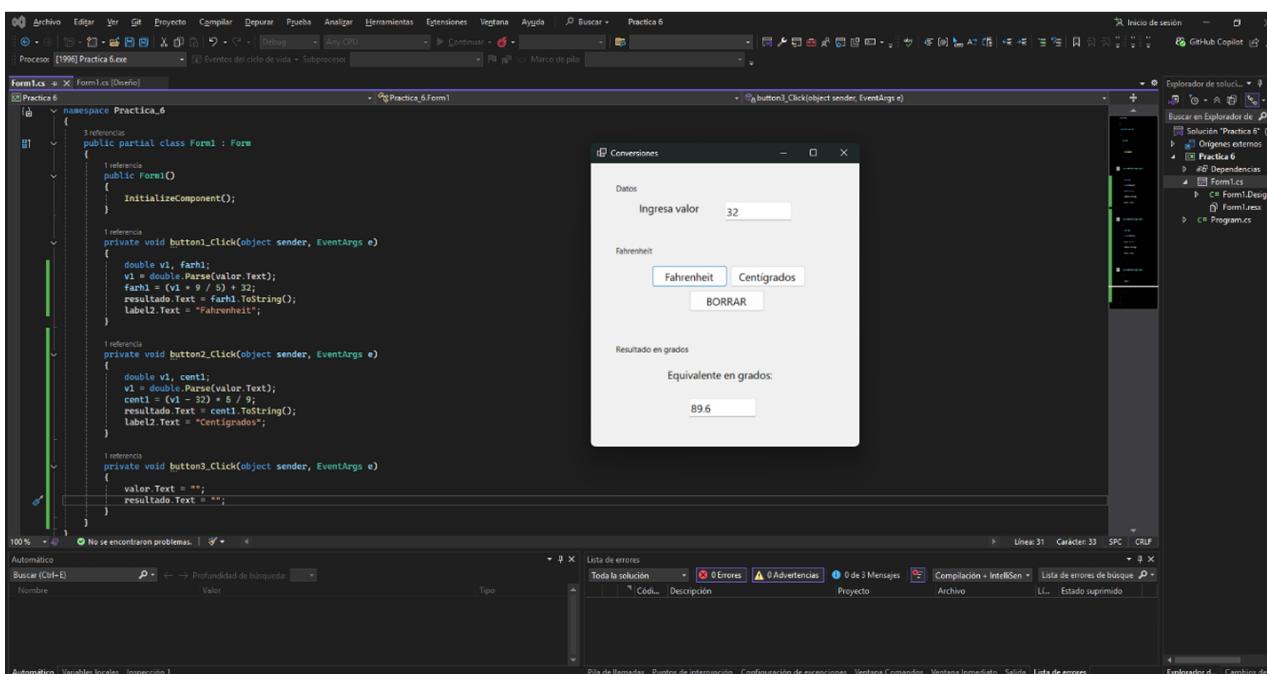
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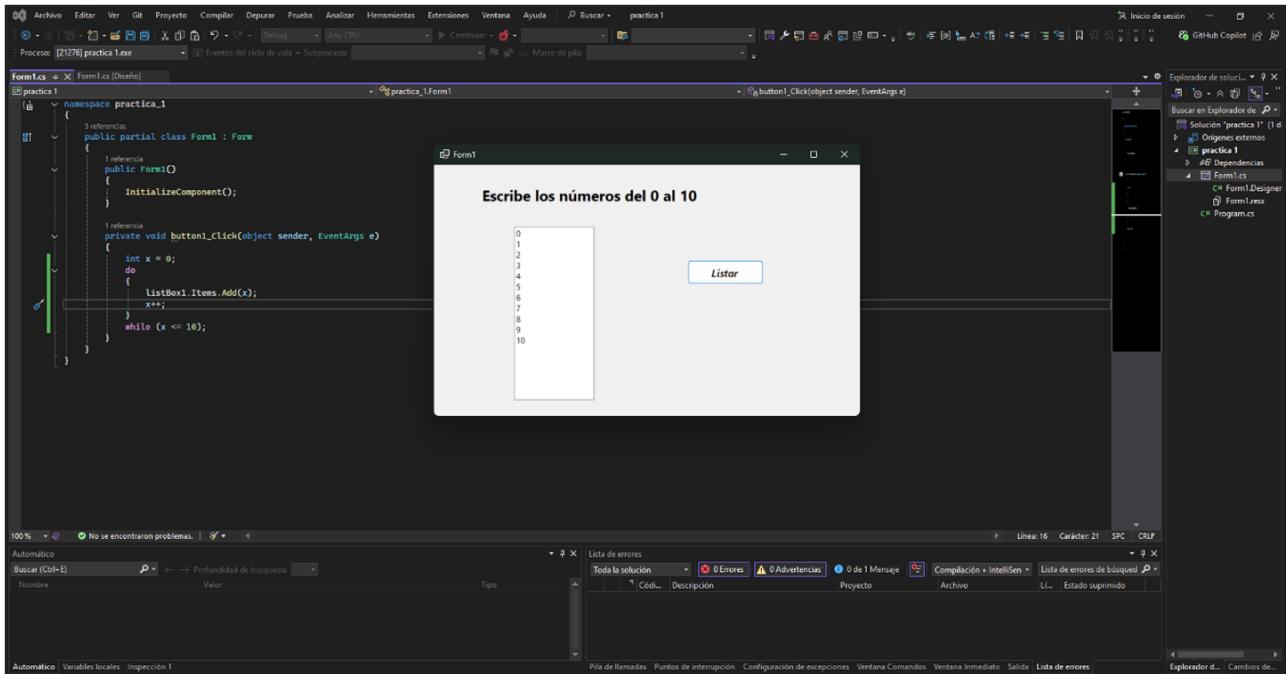
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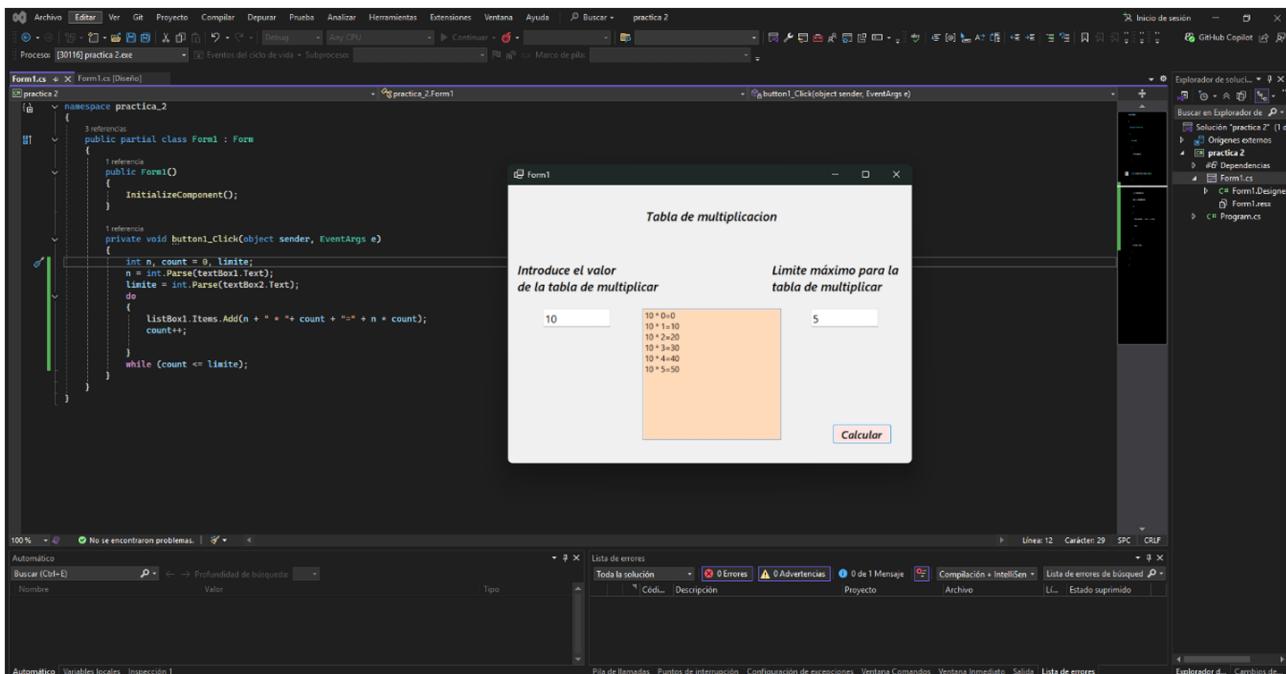
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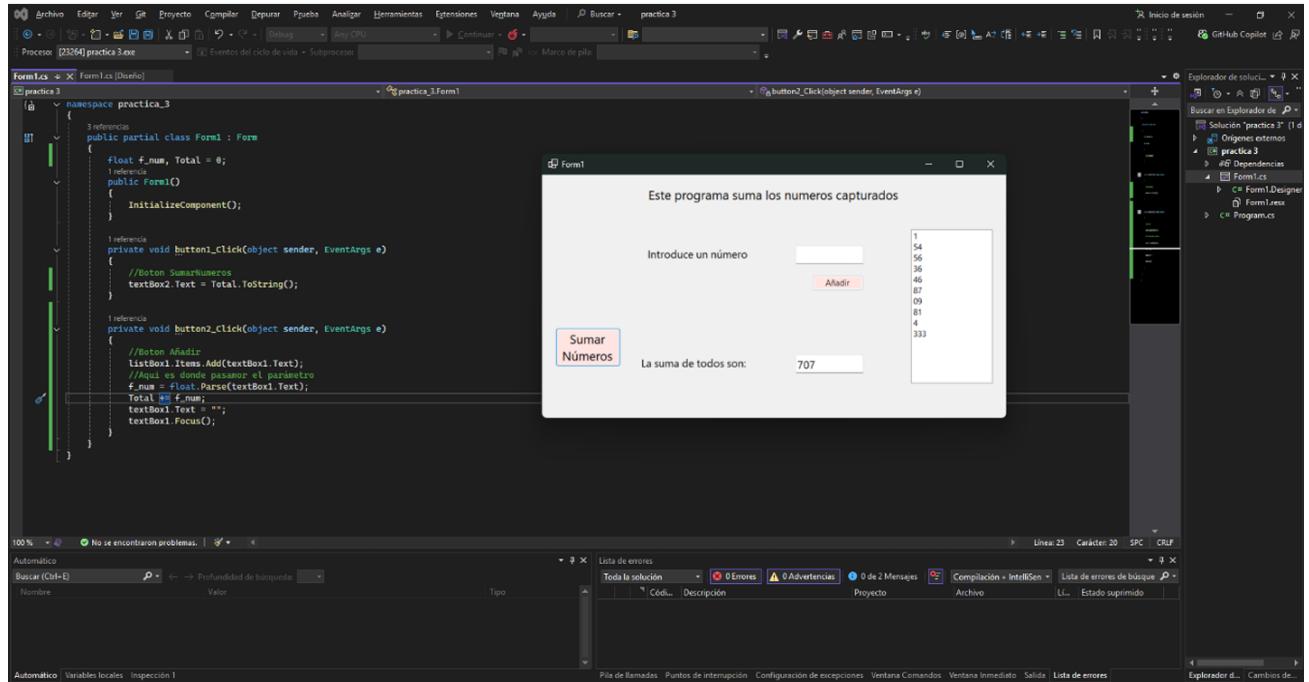
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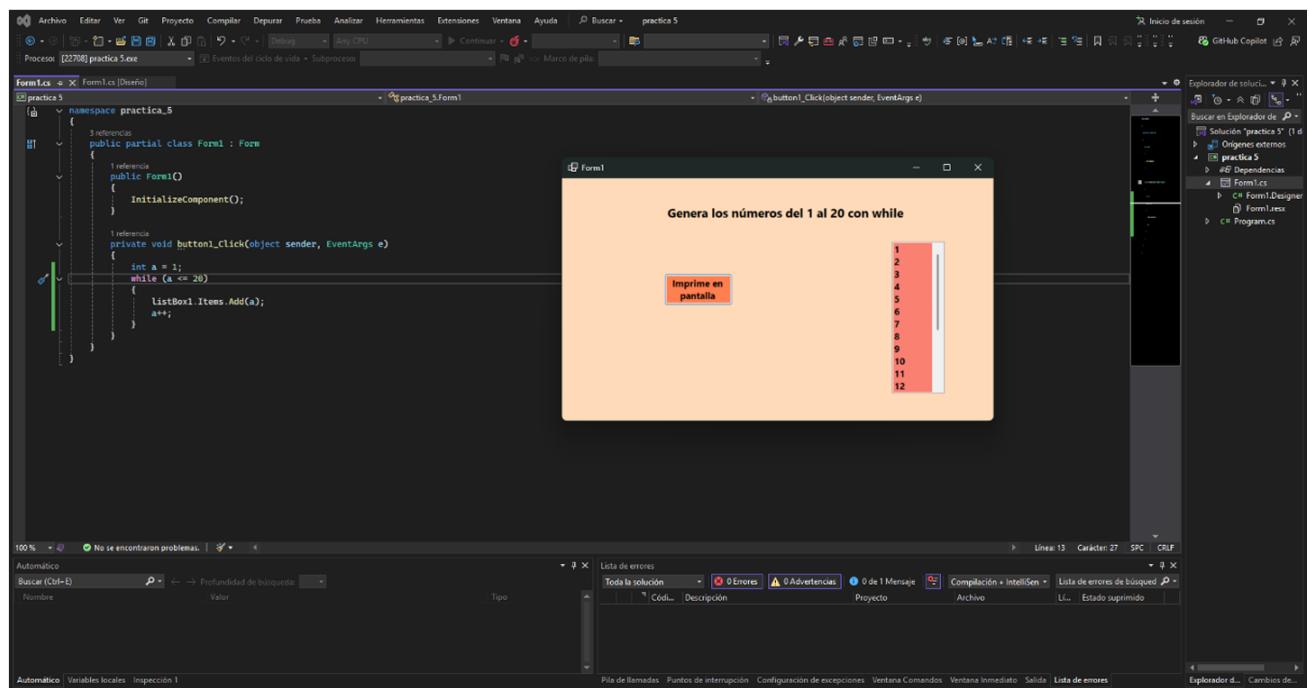
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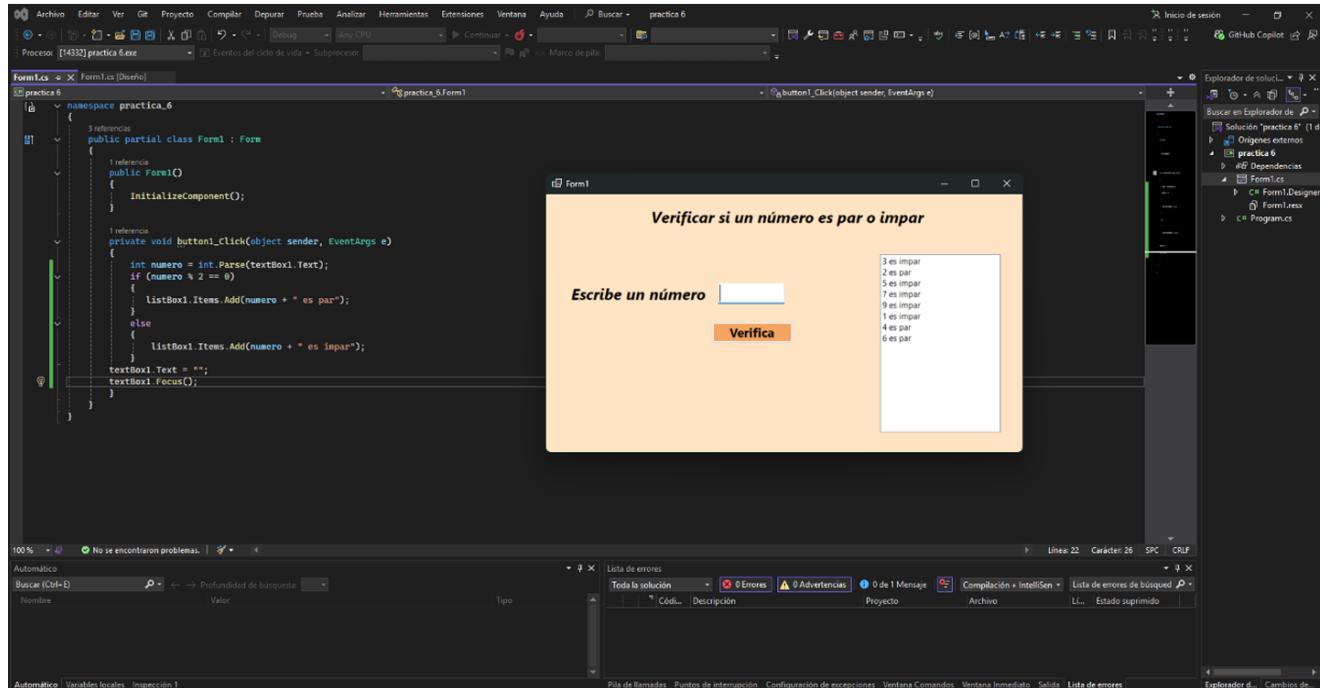
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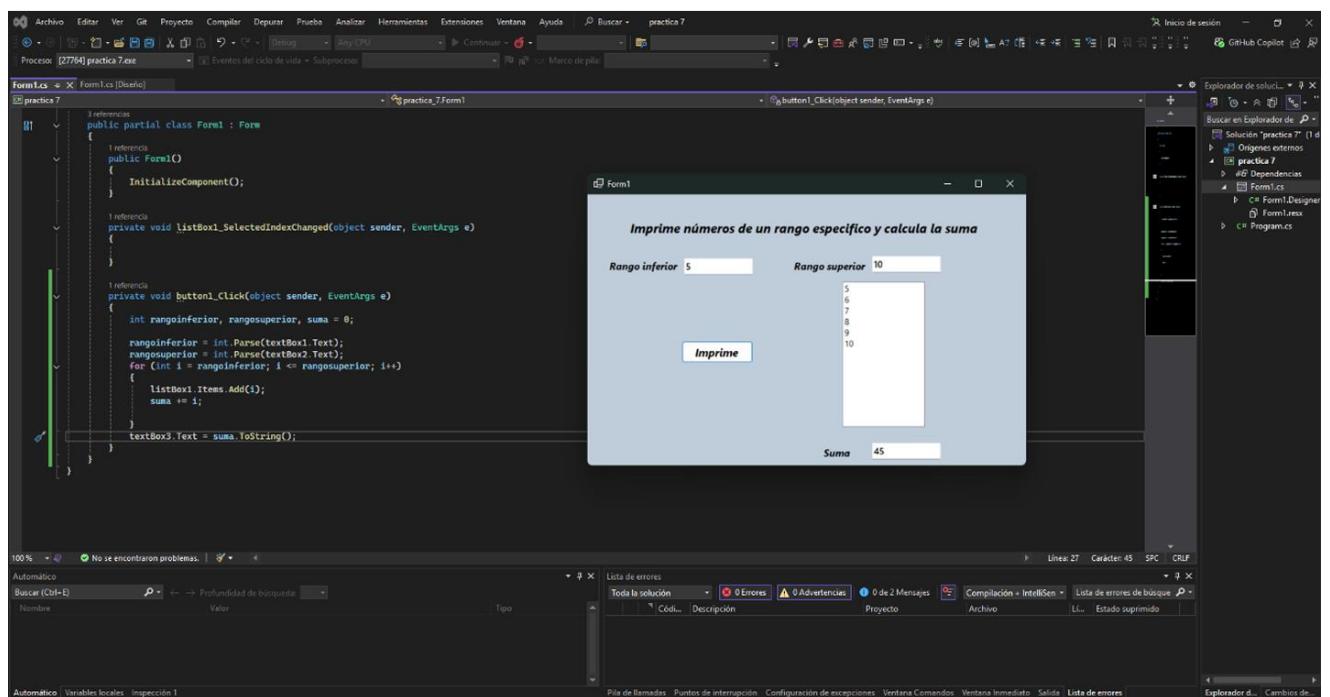
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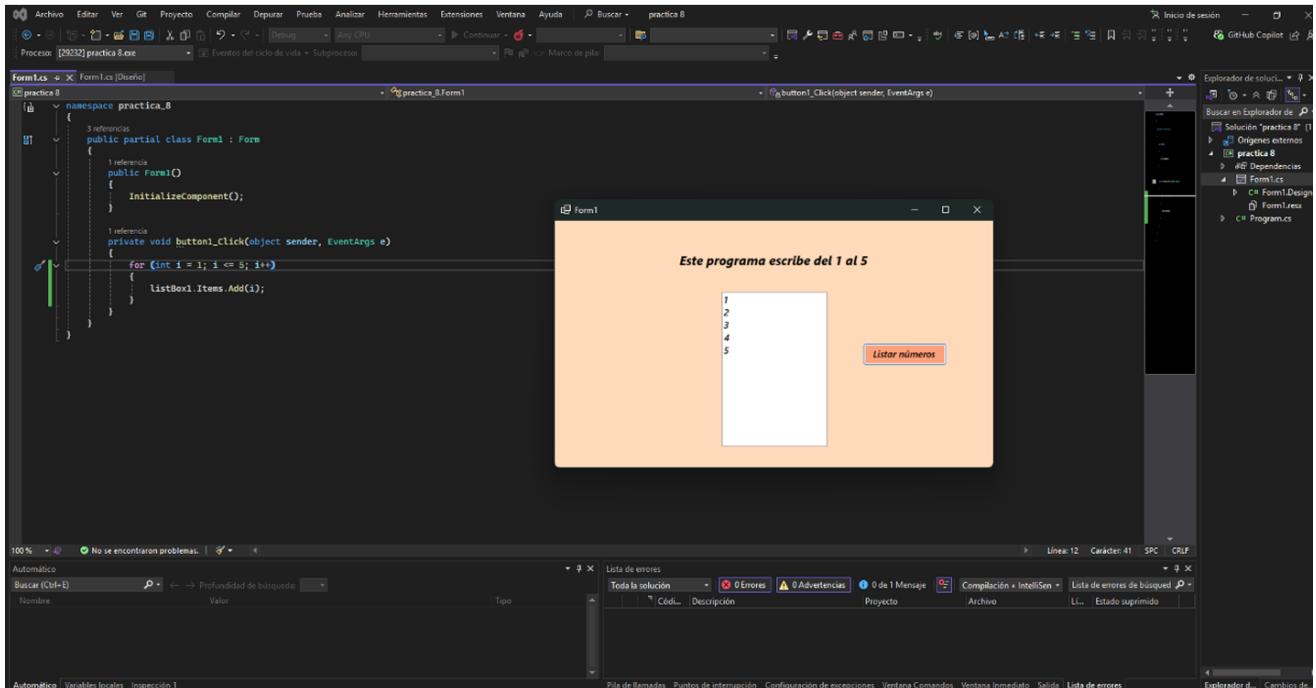
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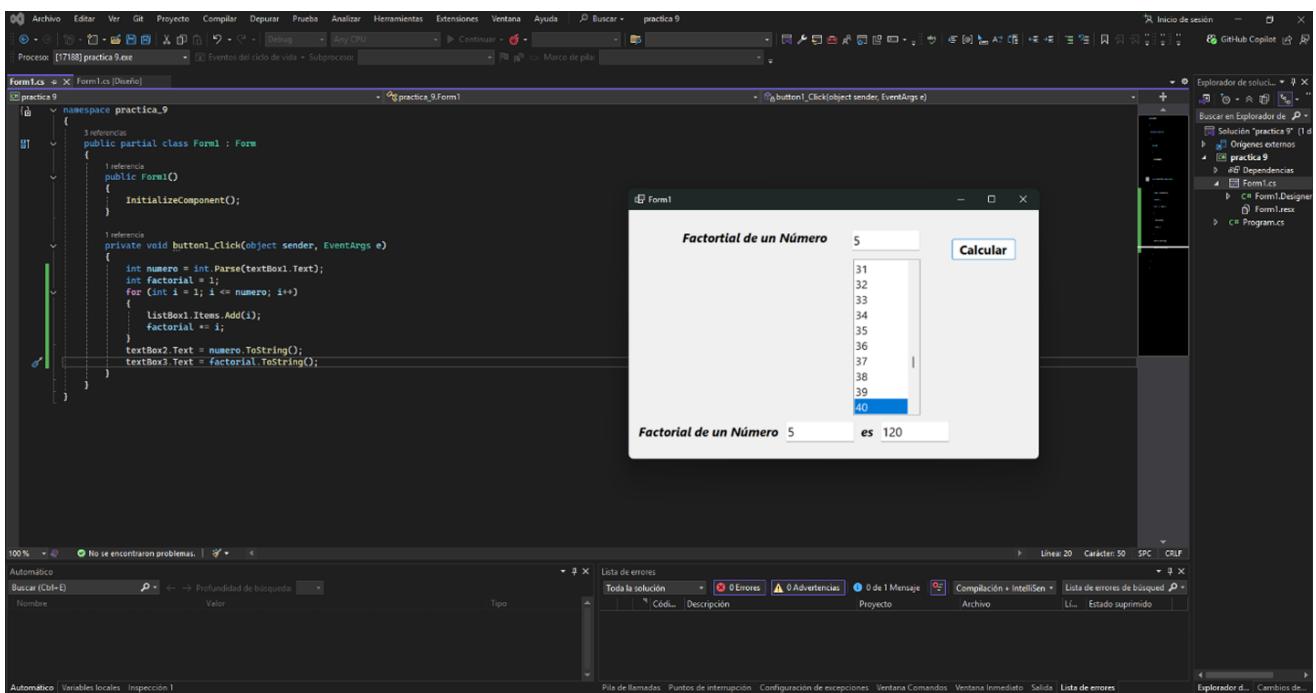
7.



8.



9.



10.

The screenshot shows the Visual Studio IDE with the project "practica 10" open. The code editor displays Form1.cs with the following C# code:

```
namespace practica_10
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            int i, cuad, cubo;
            for (i = 1; i <= 10; i++)
            {
                cuad = i * i;
                cubo = i * i * i;
                listBox1.Items.Add(i);
                listBox1.Items.Add(cuad);
                listBox1.Items.Add(cubo);
                listBox1.Items.Add(zeta);
            }
        }
    }
}
```

The application window titled "Form1" shows the results of the calculation $Z = x^2 + x^3$ for values of x from 1 to 10. The results are displayed in four columns: x , x^2 , x^3 , and Z . The data is as follows:

| x | x^2 | x^3 | Z |
|----|-------|-------|------|
| 1 | 1 | 1 | 2 |
| 2 | 4 | 8 | 36 |
| 3 | 9 | 27 | 64 |
| 4 | 16 | 64 | 128 |
| 5 | 25 | 125 | 190 |
| 6 | 36 | 216 | 252 |
| 7 | 49 | 343 | 392 |
| 8 | 64 | 512 | 576 |
| 9 | 81 | 729 | 810 |
| 10 | 100 | 1000 | 1100 |

11.

The screenshot shows the Visual Studio IDE with the project "practica 11" open. The code editor displays Form1.cs with the following C# code:

```
private void button3_Click(object sender, EventArgs e)
{
    int x2 = 1;
    do
    {
        listBox1.Items.Add(x2);
        double fx = x2 / (1.0 + x2 * x2);
        listBox2.Items.Add(fx);
        x2++;
    } while (x2 <= 10);
}

private void button4_Click(object sender, EventArgs e)
{
    Application.Exit();
}

```

The application window titled "Form1" shows the function $f(x) = \frac{x}{1+x^2}$ for values of x from 1 to 10. The results are displayed in two columns: x and $f(x)$. The data is as follows:

| x | $f(x)$ |
|----|---------------------|
| 1 | 0.16666666666666666 |
| 2 | 0.2 |
| 3 | 0.2142857142857143 |
| 4 | 0.2222222222222222 |
| 5 | 0.22727272727272728 |
| 6 | 0.2314814814814815 |
| 7 | 0.23472268907563094 |
| 8 | 0.2375 |
| 9 | 0.2401111111111111 |
| 10 | 0.2423613444286134 |

Below the application window, there are four colored buttons labeled "for", "while", "do..while", and "Salir".

12.

The screenshot shows the Microsoft Visual Studio IDE interface. The top menu bar includes Archivo, Editar, Ver, Git, Proyecto, Compilar, Depurar, Prueba, Analizar, Herramientas, Extensiones, Ventana, Ayuda, and Buscar. The title bar indicates the project is "Práctica 12" and the file is "Form1.cs [Diseño]". The code editor displays the following C# code:

```
namespace Práctica_12
{
    public partial class Form1 : Form
    {
        InitializeComponent();
        private void button1_Click(object sender, EventArgs e)
        {
            double cal;
            cal = double.Parse(textBox1.Text);
            if (cal < 3.0) MessageBox.Show("REPROBADO");
            else if (cal >= 3.0 && cal < 6.0) MessageBox.Show("APROBADO");
            else if (cal >= 6.0 && cal < 8.0) MessageBox.Show("BIEN");
            else if (cal >= 8.0 && cal < 9.0) MessageBox.Show("MUY BIEN");
            else if (cal >= 9.0 && cal < 10) MessageBox.Show("EXCELENTE");
            else MessageBox.Show("CALIFICACIÓN INCORRECTA");
        }
    }
}
```

A message box titled "Calificación" is displayed, showing the value "2". A secondary message box titled "Decision" is shown, with the text "REPROBADO" and two buttons: "Decision" and "Aceptar".

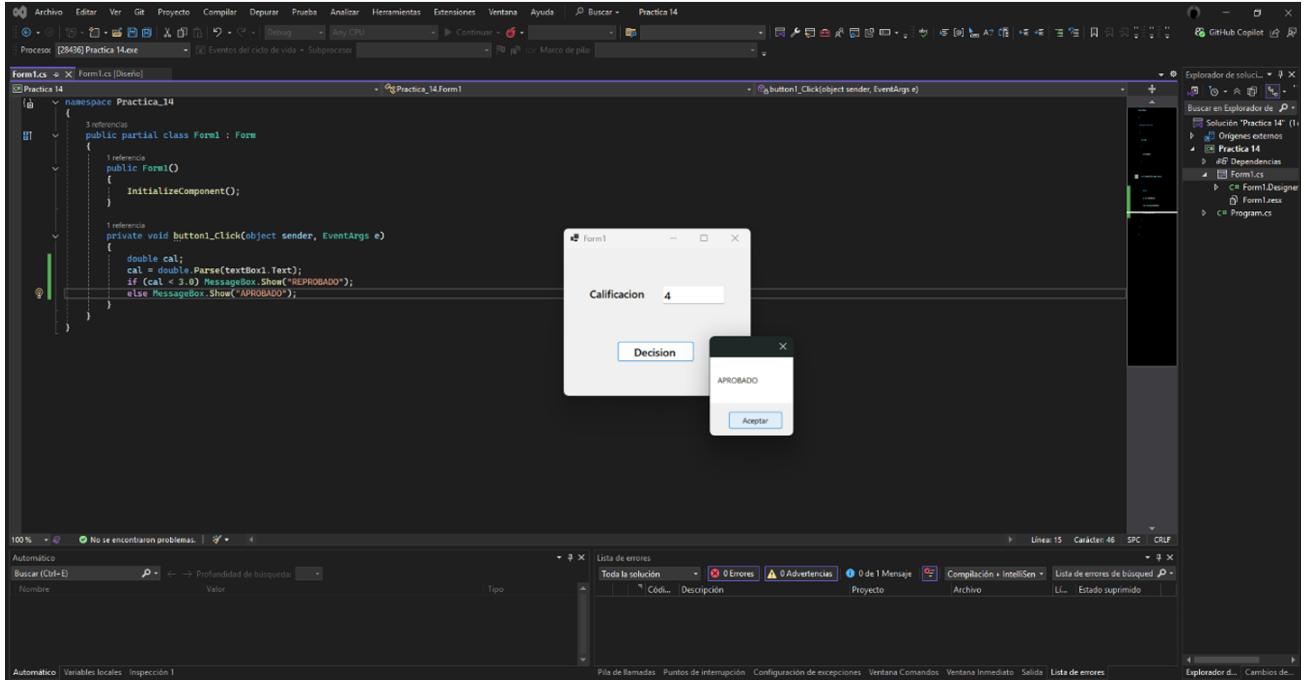
13.

The screenshot shows the Microsoft Visual Studio IDE interface. The top menu bar includes Archivo, Editar, Ver, Git, Proyecto, Compilar, Depurar, Prueba, Analizar, Herramientas, Extensiones, Ventana, Ayuda, and Buscar. The title bar indicates the project is "Práctica 13" and the file is "Form1.cs [Diseño]". The code editor displays the following C# code:

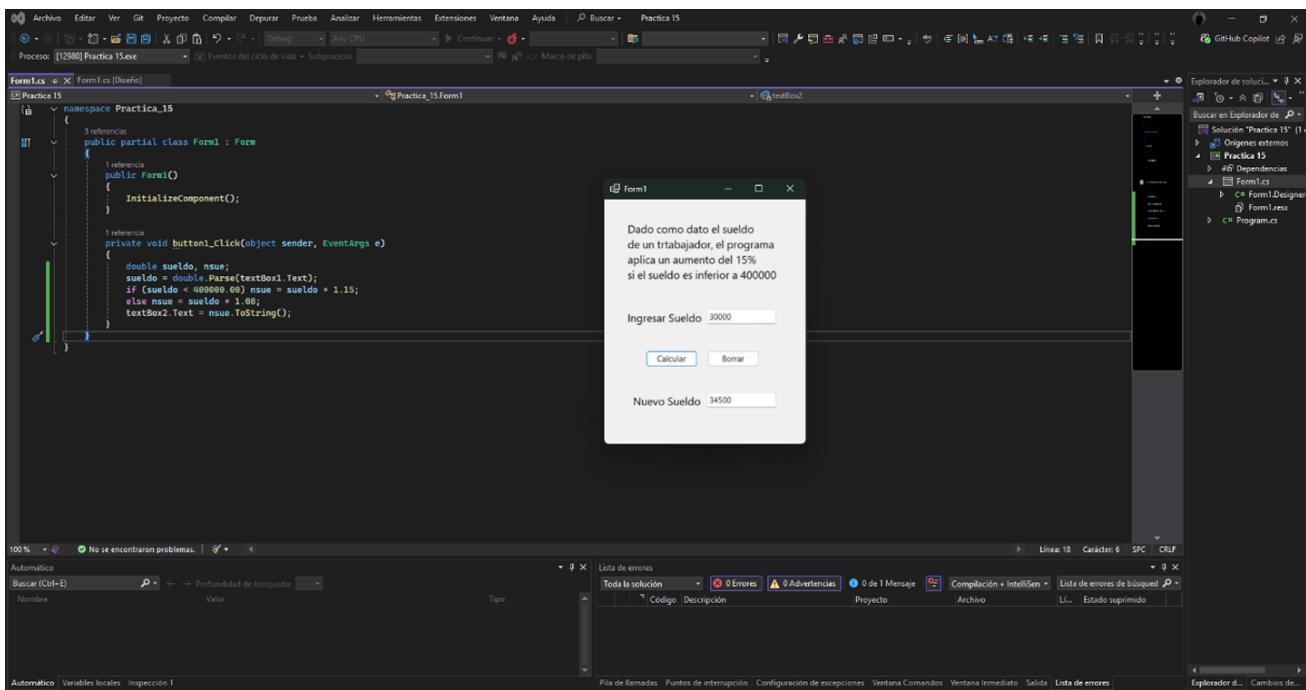
```
namespace Práctica_13
{
    public partial class Form1 : Form
    {
        InitializeComponent();
        private void button1_Click(object sender, EventArgs e)
        {
            double sueldo, aum, nsue;
            sueldo = double.Parse(textBox1.Text);
            if (sueldo < 400000.00)
            {
                aum = sueldo * 0.15;
                nsue = sueldo + aum;
                textBox2.Text = nsue.ToString();
            }
        }
    }
}
```

A message box titled "Form1" displays the text: "Dado como dato el sueldo de un trabajador, el programa aplica un aumento del 15% si el sueldo es inferior a 400000". Below the code editor, there is an input field "Ingresar Sueldo" containing "200000" and a button "Decision". Another message box titled "Nuevo sueldo" shows the value "230000".

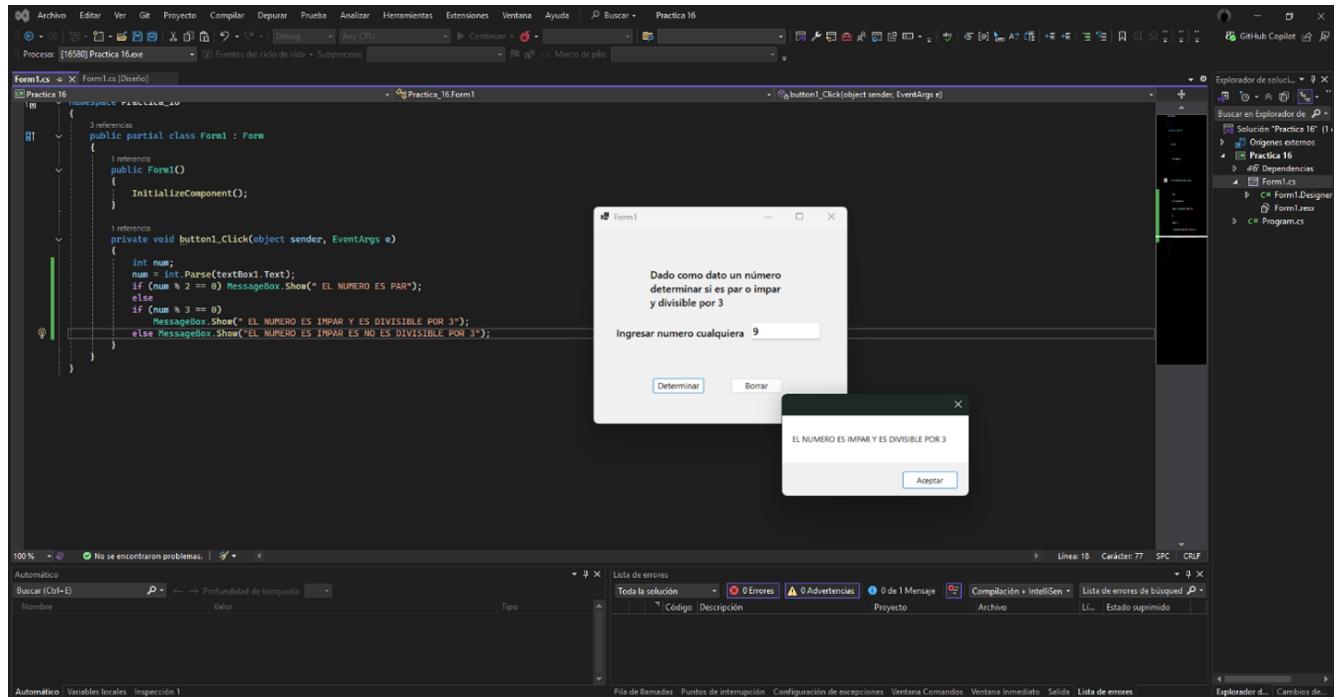
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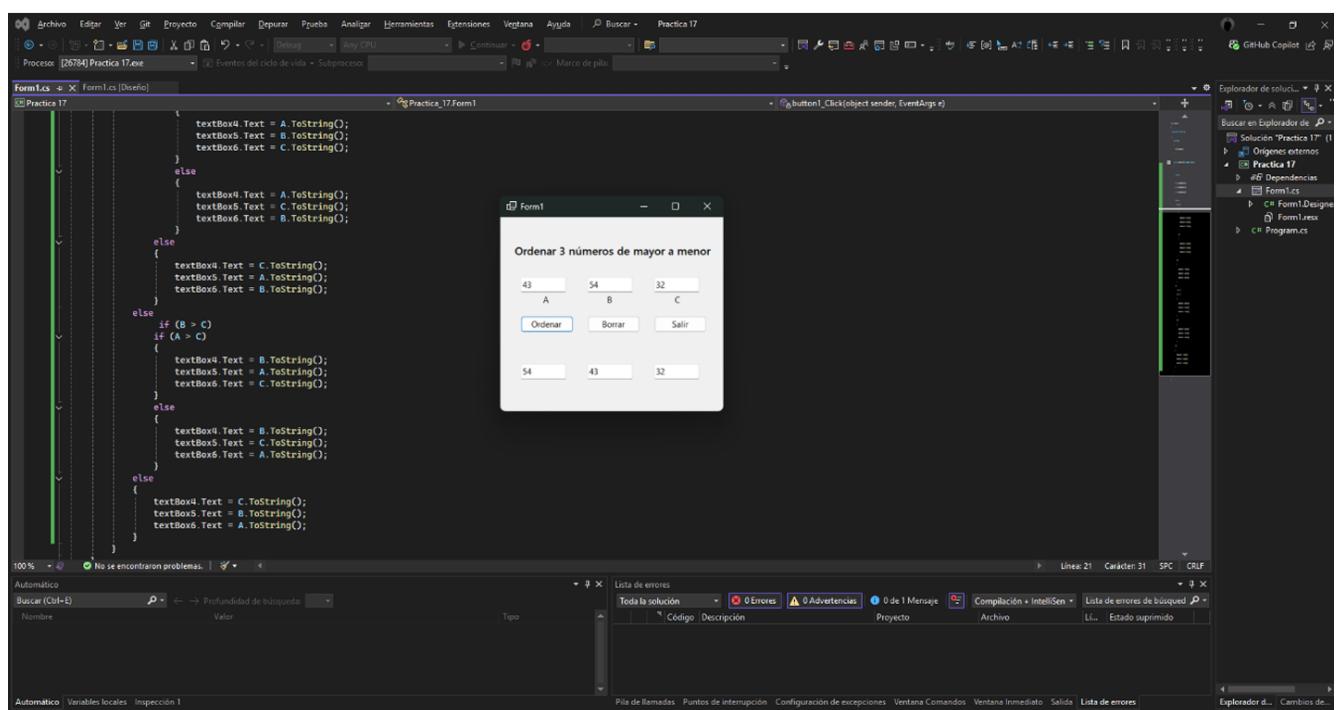
15.



16.



17.



18.

