

Ссылка: 3

```
public partial class Form1 : Form
{
```

Ссылка: 1

```
    public Form1()
    {
        InitializeComponent();
        button1.Click += button1_Click;
        button2.Click += button2_Click;
        button3.Click += button3_Click;
        button4.Click += button4_Click;
        button5.Click += button5_Click;
        button6.Click += button6_Click;
        button7.Click += button7_Click;
        button8.Click += button8_Click;
    }
```

Ссылка: 1

```
private void InitializeComponent()
{
```

```
    this.button1 = new System.Windows.Forms.Button();
    this.button2 = new System.Windows.Forms.Button();
    this.button3 = new System.Windows.Forms.Button();
    this.button4 = new System.Windows.Forms.Button();
    this.button5 = new System.Windows.Forms.Button();
    this.button6 = new System.Windows.Forms.Button();
    this.button7 = new System.Windows.Forms.Button();
    this.button8 = new System.Windows.Forms.Button();
    this.label1 = new System.Windows.Forms.Label();
    this.textBox1 = new System.Windows.Forms.TextBox();
    this.textBox2 = new System.Windows.Forms.TextBox();
    this.SuspendLayout();
    //
    // button1
    //
    this.button1.Location = new System.Drawing.Point(160, 302);
    this.button1.Name = "button1";
    this.button1.Size = new System.Drawing.Size(75, 23);
    this.button1.TabIndex = 0;
    this.button1.Text = "-";
    this.button1.UseVisualStyleBackColor = true;
    //
    // button2
    //
    this.button2.Location = new System.Drawing.Point(267, 302);
    this.button2.Name = "button2";
    this.button2.Size = new System.Drawing.Size(75, 23);
    this.button2.TabIndex = 1;
    this.button2.Text = "+";
    this.button2.UseVisualStyleBackColor = true;
```

```
//  
// button3  
//  
this.button3.Location = new System.Drawing.Point(372, 302);  
this.button3.Name = "button3";  
this.button3.Size = new System.Drawing.Size(75, 23);  
this.button3.TabIndex = 2;  
this.button3.Text = "*";  
this.button3.UseVisualStyleBackColor = true;  
//  
// button4  
//  
this.button4.Location = new System.Drawing.Point(480, 302);  
this.button4.Name = "button4";  
this.button4.Size = new System.Drawing.Size(75, 23);  
this.button4.TabIndex = 3;  
this.button4.Text = "/";  
this.button4.UseVisualStyleBackColor = true;  
//  
// button5  
//  
this.button5.Location = new System.Drawing.Point(160, 366);  
this.button5.Name = "button5";  
this.button5.Size = new System.Drawing.Size(75, 23);  
this.button5.TabIndex = 4;  
this.button5.Text = "%";  
this.button5.UseVisualStyleBackColor = true;  
//  
// button6  
//  
this.button6.Location = new System.Drawing.Point(267, 366);  
this.button6.Name = "button6";  
this.button6.Size = new System.Drawing.Size(75, 23);  
this.button6.TabIndex = 5;  
this.button6.Text = "Sqrt";  
this.button6.UseVisualStyleBackColor = true;
```

```
//  
// button7  
//  
this.button7.Location = new System.Drawing.Point(372, 366);  
this.button7.Name = "button7";  
this.button7.Size = new System.Drawing.Size(75, 23);  
this.button7.TabIndex = 6;  
this.button7.Text = "^";  
this.button7.UseVisualStyleBackColor = true;  
//  
// button8  
//  
this.button8.Location = new System.Drawing.Point(480, 366);  
this.button8.Name = "button8";  
this.button8.Size = new System.Drawing.Size(75, 23);  
this.button8.TabIndex = 7;  
this.button8.Text = "Exp";  
this.button8.UseVisualStyleBackColor = true;  
//  
// label1  
//  
this.label1.AutoSize = true;  
this.label1.Location = new System.Drawing.Point(449, 173);  
this.label1.Name = "label1";  
this.label1.Size = new System.Drawing.Size(44, 16);  
this.label1.TabIndex = 8;  
this.label1.Text = "label1";  
//  
// textBox1  
//  
this.textBox1.Location = new System.Drawing.Point(211, 121);  
this.textBox1.Name = "textBox1";  
this.textBox1.Size = new System.Drawing.Size(100, 22);  
this.textBox1.TabIndex = 9;  
this.textBox1.TextChanged += new System.EventHandler(this.textBox1_TextChanged);  
//
```

```

//
// textBox2
//
this.textBox2.Location = new System.Drawing.Point(211, 212);
this.textBox2.Name = "textBox2";
this.textBox2.Size = new System.Drawing.Size(100, 22);
this.textBox2.TabIndex = 10;
this.textBox2.TextChanged += new System.EventHandler(this.textBox2_TextChanged);
//
// Form1
//
this.ClientSize = new System.Drawing.Size(749, 485);
this.Controls.Add(this.textBox2);
this.Controls.Add(this.textBox1);
this.Controls.Add(this.label1);
this.Controls.Add(this.button8);
this.Controls.Add(this.button7);
this.Controls.Add(this.button6);
this.Controls.Add(this.button5);
this.Controls.Add(this.button4);
this.Controls.Add(this.button3);
this.Controls.Add(this.button2);
this.Controls.Add(this.button1);
this.Name = "Form1";
this.ResumeLayout(false);
this.PerformLayout();
}

```

Ссылка: 1

```

private void button1_Click(object sender, EventArgs e)
{
    PerformOperation((a, b) => a + b);
}

```

Ссылка: 1

```
private void button2_Click(object sender, EventArgs e)
{
    PerformOperation((a, b) => a - b);
}
```

Ссылка: 1

```
private void button3_Click(object sender, EventArgs e)
{
    PerformOperation((a, b) => a * b);
}
```

Ссылка: 1

```
private void button4_Click(object sender, EventArgs e)
{
    PerformOperation((a, b) =>
    {
        if (b == 0)
        {
            MessageBox.Show("На ноль делить нельзя.");
            return 0;
        }
        return a / b;
    });
}
```

Ссылка 1

```
private void button5_Click(object sender, EventArgs e)
{
    PerformOperation((a, b) => a % b);
}
```

Ссылка 1

```
private void button6_Click(object sender, EventArgs e)
{
    if (double.TryParse(textBox1.Text, out double num1))
    {
        double result = Math.Sqrt(num1);
        label1.Text = $"Результат: {result}";
    }
    else
    {
        MessageBox.Show("Пожалуйста, введите корректное число.");
    }
}
```

Ссылка 1

```
private void button7_Click(object sender, EventArgs e)
{
    PerformOperation((a, b) => Math.Pow(a, b));
}
```

Ссылка 1

```
private void button8_Click(object sender, EventArgs e)
{
    if (double.TryParse(textBox1.Text, out double num1))
    {
        double result = Math.Exp(num1);
        label1.Text = $"Результат: {result}";
    }
    else
    {
        MessageBox.Show("Пожалуйста, введите корректное число.");
    }
}
```

Ссылка: 6

```
private void PerformOperation(Func<double, double, double> operation)
{
    if (double.TryParse(textBox1.Text, out double num1) &&
        double.TryParse(textBox2.Text, out double num2))
    {
        double result = operation(num1, num2);
        label1.Text = $"Результат: {result}";
    }
    else
    {
        MessageBox.Show("Пожалуйста, введите корректные числа.");
    }
}
```

Ссылка: 0

```
private void Form1_Load(object sender, EventArgs e)
{
}
```

Ссылка: 0

```
private void groupBox1_Enter(object sender, EventArgs e)
{
}
```

Ссылка: 1

```
private void textBox1_TextChanged(object sender, EventArgs e)
{
}
```

Ссылка: 1

```
private void textBox2_TextChanged(object sender, EventArgs e)
{
}
```



