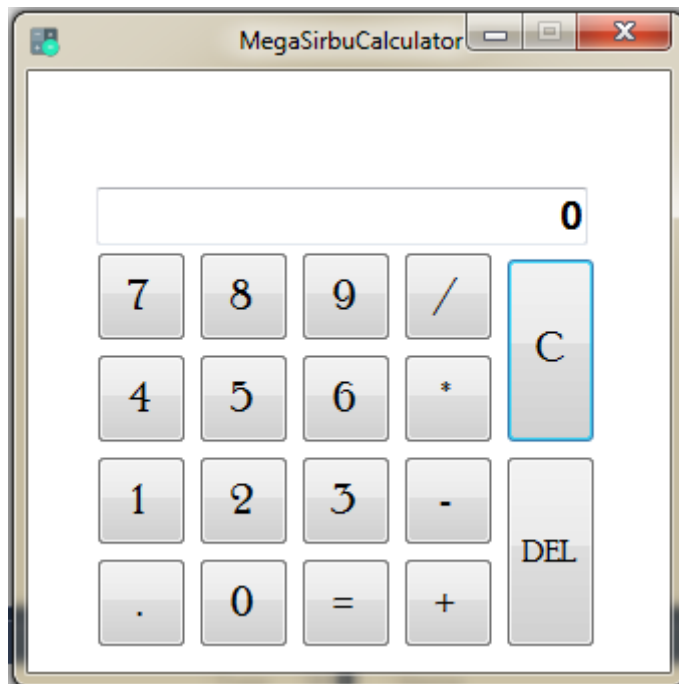
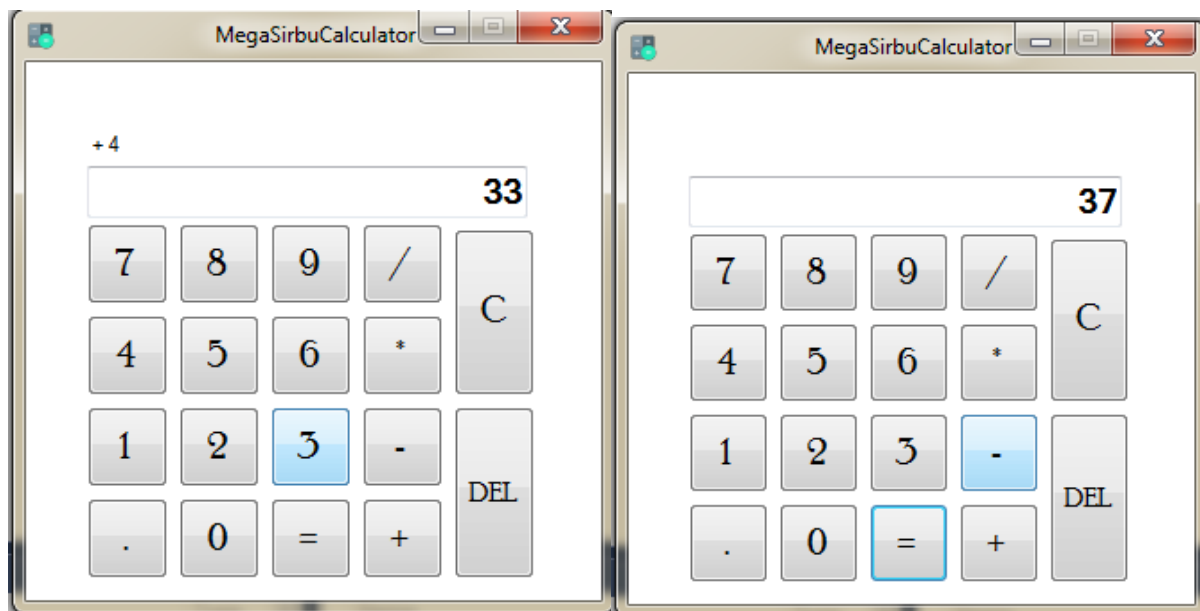


This is my **Laboratory Work Nr. 2**. Here I have done a calculator in Visual Studio , using C# language.



This is how my calculator looks . I just created and placed 18 buttons and a text field where the user will be able to view the input and output of the calculator. Moreover, I included a second label, above the main one that shows the operations being performed.



Source Code:

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace calculator
{
    public partial class Form1 : Form
    {
        Double result = 0;
        String operationPerfomed = "";
        bool isOperationPerfomed = false;
        public Form1()
        {
            InitializeComponent();
        }

        private void button_click(object sender, EventArgs e)
        {
            if ((textBoxresult.Text == "0") || (isOperationPerfomed))
                textBoxresult.Clear();
            isOperationPerfomed = false;
            Button button=(Button)sender;
            if (button.Text == ".")
            {
                if (!textBoxresult.Text.Contains("."))
                    textBoxresult.Text = textBoxresult.Text + button.Text;
            } else
                textBoxresult.Text = textBoxresult.Text + button.Text;
        }

        private void operator_click(object sender, EventArgs e)
        {
            Button button = (Button)sender;

            if (result != 0)
            {
                button18.PerformClick();
                operationPerfomed = button.Text;
                labelCurrentOperation.Text = result + " " + operationPerfomed;
                isOperationPerfomed = true;
            }
            else
            {
                operationPerfomed = button.Text;
                result = Double.Parse(textBoxresult.Text);
                labelCurrentOperation.Text = result + " " + operationPerfomed;
                isOperationPerfomed = true;
            }
        }

        private void button5_Click(object sender, EventArgs e)
        {

```

```

        textBoxresult.Text = textBoxresult.Text.Remove(textBoxresult.Text.Length);
    }

    private void button20_Click(object sender, EventArgs e)
    {
        textBoxresult.Text = "0";
        result = 0;
    }

    private void button18_Click(object sender, EventArgs e)
    {
        switch (operationPerfomed)
        {
            case "+":
                textBoxresult.Text = (result +
Double.Parse(textBoxresult.Text)).ToString();
                break;
            case "-":
                textBoxresult.Text = (result -
Double.Parse(textBoxresult.Text)).ToString();
                break;
            case "*":
                textBoxresult.Text = (result *
Double.Parse(textBoxresult.Text)).ToString();
                break;
            case "/":
                textBoxresult.Text = (result /
Double.Parse(textBoxresult.Text)).ToString();
                break;
            default:
                break;
        }
        result = Double.Parse(textBoxresult.Text);
        labelCurrentOperation.Text = "";
    }
}

```