Activity 3

Radiobuttons

1.1) Design and create a dynamic Web site that functions like a calculator.

1.2) Use buttons for each digit.

1.3) Add radiobuttons for the operators - addition, subtraction, multiplication and division.

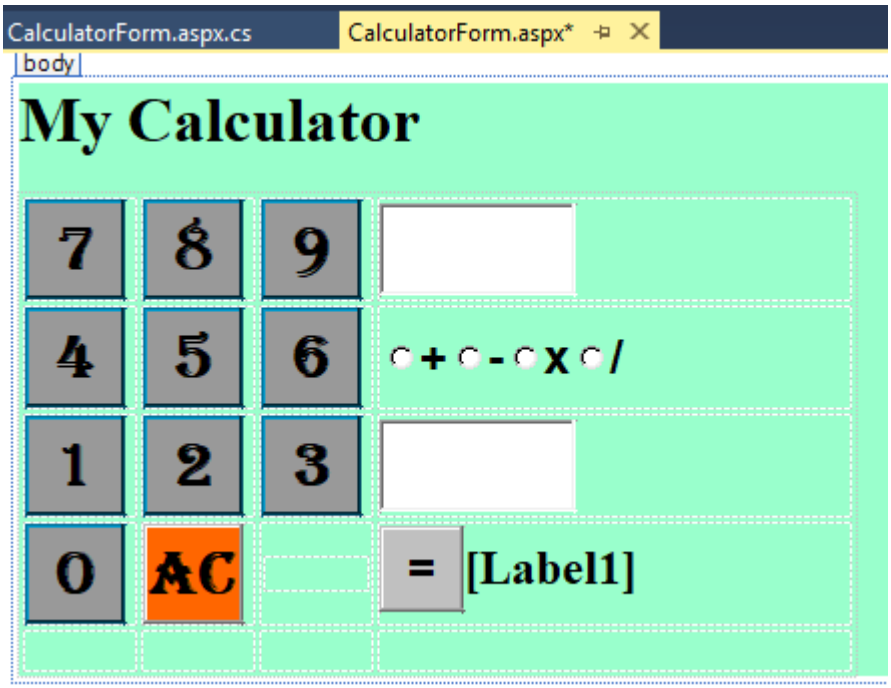
1.4) To display the two numbers (operands) you can use:

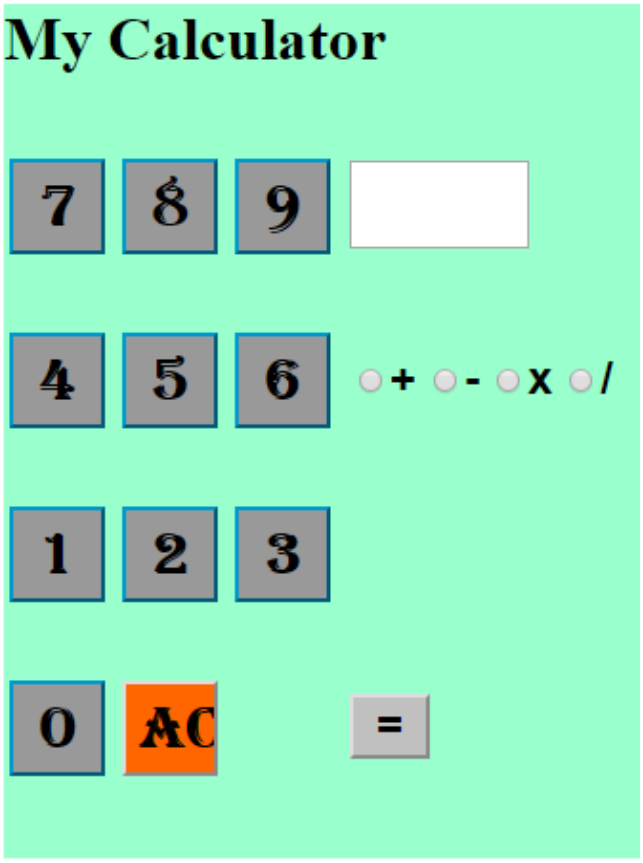
- two Textbox objects (Basic level)
- one Textbox object similar to most calculators (Intermediate level)
- one or two Texbox objects but making provision that not only single digit numbers are added/subtracted etc, but also for example 23 + 123 (Advanced level)

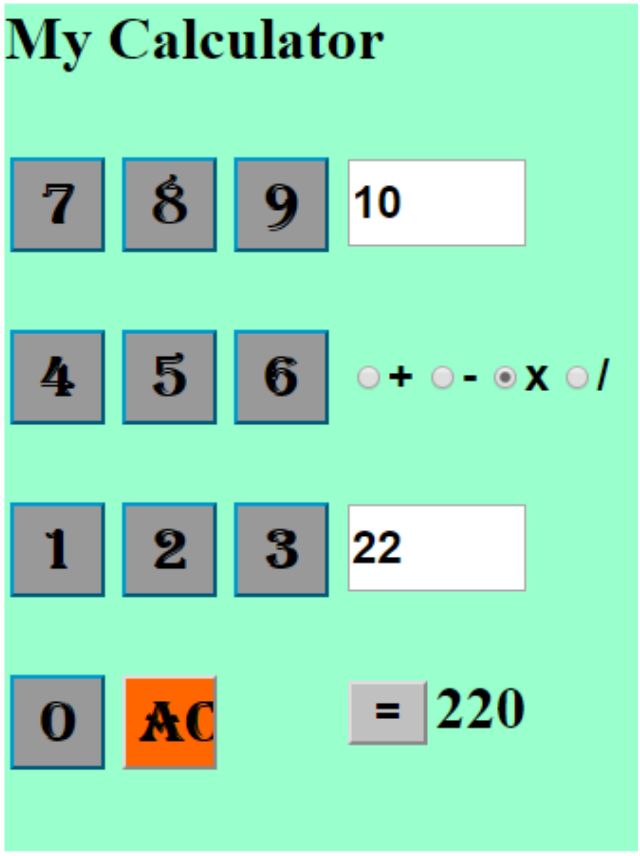
1.5) Use a label to display the answer.

1.6) Pay attention to design – use colour etc. Your calculator website must be attractive to users.

Memo








```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Calculator
{
    public partial class CalculatorForm : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void MyRads_CheckedChanged(object sender, EventArgs e)
        {
            TextBox2.Visible = true;
        }

        protected void Button0_Click(object sender, EventArgs e)
        {
            if (!TextBox2.Visible)
                TextBox1.Text += "0";
            else
                TextBox2.Text += "0";
        }
```

```
        protected void Button1_Click(object sender, EventArgs e)
        {
            if (!TextBox2.Visible)
                TextBox1.Text += "1";
            else
                TextBox2.Text += "1";
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            if (!TextBox2.Visible)
                TextBox1.Text += "2";
            else
                TextBox2.Text += "2";
        }
```

…….

```
        protected void Button10_Click(object sender, EventArgs e)
        {
            int antw = 0;
            if (this.RadioButton1.Checked)
            {
                antw = int.Parse(TextBox1.Text) + int.Parse(TextBox2.Text);
            }
            else if (this.RadioButton2.Checked)
            {
                antw = int.Parse(TextBox1.Text) - int.Parse(TextBox2.Text);
            }
            else if (this.RadioButton3.Checked)
            {
                antw = int.Parse(TextBox1.Text) * int.Parse(TextBox2.Text);
            }
            else if (this.RadioButton4.Checked)
            {
                antw = int.Parse(TextBox1.Text) / int.Parse(TextBox2.Text);
            }

            Label1.Text = antw.ToString();
            Label1.Visible = true;

        }

        protected void Button11_Click(object sender, EventArgs e)
        {
            TextBox1.Text = "";
            TextBox2.Text = "";
            Label1.Text = "";
            RadioButton1.Checked = false;
            RadioButton2.Checked = false;
            RadioButton3.Checked = false;
            RadioButton4.Checked = false;
            TextBox2.Visible = false;
            Label1.Visible = false;
        }
    }
}
```