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 HW

{

public partial class frm\_Lab2\_Form1 : Form

{

public frm\_Lab2\_Form1()

{

InitializeComponent();

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

if (textBox1.Text != "" && textBox2.Text != "")

{

button1.Enabled = button2.Enabled = button3.Enabled = button4.Enabled = true;

}

else

{

button1.Enabled = button2.Enabled = button3.Enabled = button4.Enabled = false;

}

}

private void textBox2\_TextChanged(object sender, EventArgs e)

{

if (textBox1.Text != "" && textBox2.Text != "")

{

button1.Enabled = button2.Enabled = button3.Enabled = button4.Enabled = true;

}

else

{

button1.Enabled = button2.Enabled = button3.Enabled = button4.Enabled = false;

}

}

private void button1\_Click(object sender, EventArgs e)

{

if (textBox1.Text.Trim() == "")

{

MessageBox.Show("Please enter number 1");

textBox1.Focus();

}

else if (textBox2.Text.Trim() == "")

{

MessageBox.Show("Please enter number 2");

textBox2.Focus();

}

else

{

//الادخال مع العمليات

double number1 = Convert.ToDouble(textBox1.Text);

double number2 = Convert.ToDouble(textBox2.Text);

double result = number1 + number2;

textBox3.BackColor = Color.Cyan;

string sum = result.ToString();

textBox3.Text = sum;

}

}

private void button2\_Click(object sender, EventArgs e)

{

if (textBox1.Text.Trim() == "")

{

MessageBox.Show("Please enter number 1");

textBox1.Focus();

}

else if (textBox2.Text.Trim() == "")

{

MessageBox.Show("Please enter number 2");

textBox2.Focus();

}

else

{

//الادخال مع العمليات

double number1 = Convert.ToDouble(textBox1.Text);

double number2 = Convert.ToDouble(textBox2.Text);

double result = number1 - number2;

string sum = result.ToString();

textBox3.BackColor = Color.Cyan;

textBox3.Text = sum;

}

}

private void button3\_Click(object sender, EventArgs e)

{

if (textBox1.Text.Trim() == "")

{

MessageBox.Show("Please enter number 1");

textBox1.Focus();

}

else if (textBox2.Text.Trim() == "")

{

MessageBox.Show("Please enter number 2");

textBox2.Focus();

}

else

{

//الادخال مع العمليات

double number1 = Convert.ToDouble(textBox1.Text);

double number2 = Convert.ToDouble(textBox2.Text);

double result = number1 \* number2;

string sum = result.ToString();

textBox3.BackColor = Color.Cyan;

textBox3.Text = sum;

}

}

private void button4\_Click(object sender, EventArgs e)

{

if(textBox1.Text.Trim() == "")

{

MessageBox.Show("Please enter number 1");

textBox1.Focus();

}

else if (textBox2.Text.Trim() == "")

{

MessageBox.Show("Please enter number 2");

textBox2.Focus();

}

else

{

//الادخال مع العمليات

double number1 = Convert.ToDouble(textBox1.Text);

double number2 = Convert.ToDouble(textBox2.Text);

if (number2 != 0)

{

double result = number1 / number2;

string sum = result.ToString();

textBox3.BackColor = Color.Cyan;

textBox3.Text = sum;

}

else

{

MessageBox.Show("Erorr Divnation by zero ?");

textBox2.Focus();

}

}

}

private void button6\_Click(object sender, EventArgs e)

{

DialogResult result = MessageBox.Show("Do You Want To Exit ? ", "Exit", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (result == DialogResult.Yes)

{

this.Close();

}

}

private void button5\_Click(object sender, EventArgs e)

{

// تصفير المربعات

textBox1.Clear();

textBox2.Clear();

textBox3.Clear();

textBox1.Focus();

}

private void textBox1\_KeyPress(object sender, KeyPressEventArgs e)

{

if (textBox1.Text.Length == 0 && e.KeyChar == '-')

{

e.Handled = false;

}

else if (e.KeyChar == '-' && textBox1.Text.Contains("-"))

{

e.Handled = true;

}

else if (e.KeyChar == '.')

{

if ((sender as TextBox).Text.Contains("."))

e.Handled = true;

}

else if ((e.KeyChar < 48 || e.KeyChar > 57) && (e.KeyChar != 8) && e.KeyChar != 45 && e.KeyChar != 46)

{

e.Handled = true;

}

}

private void textBox2\_KeyPress(object sender, KeyPressEventArgs e)

{

if (textBox2.Text.Length == 0 && e.KeyChar == '-')

{

e.Handled = false;

}

else if (e.KeyChar == '-' && textBox2.Text.Contains("-"))

{

e.Handled = true;

}

else if (e.KeyChar == '.')

{

if ((sender as TextBox).Text.Contains("."))

e.Handled = true;

}

else if ((e.KeyChar < 48 || e.KeyChar > 57) && (e.KeyChar != 8) && e.KeyChar != 45 && e.KeyChar != 46)

{

e.Handled = true;

}

else if ((e.KeyChar < 48 || e.KeyChar > 57) && (e.KeyChar != 8) && e.KeyChar != 45 && e.KeyChar != 46)

{

e.Handled = true;

}

}

}

}