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\_Form2 : Form

{

public frm\_Lab2\_Form2()

{

InitializeComponent();

}

private void frm\_Lab2\_Form2\_Load(object sender, EventArgs e)

{

}

public void isnumber(object sender, KeyPressEventArgs e)

{

if (txtNum1.Text.Length == 0 && e.KeyChar == '-' || txtNum2.Text.Length == 0 && e.KeyChar == '-')

{

e.Handled = false;

}

else if ((e.KeyChar == '-' && txtNum1.Text.Contains("-")) || (e.KeyChar == '-' && txtNum2.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;

}

}

public void Opration(double n1, double n2, string op)

{

switch (op)

{

case "+":

txtResult.Text = (n1 + n2).ToString();

txtResult.BackColor = Color.White;

break;

case "-":

txtResult.Text = (n1 - n2).ToString();

txtResult.BackColor = Color.White;

break;

case "\*":

txtResult.Text = (n1 \* n2).ToString();

txtResult.BackColor = Color.White;

break;

case "/":

if (n2 != 0)

{

txtResult.Text = (n1 + n2).ToString();

txtResult.BackColor = Color.White;

}

else

{

MessageBox.Show("Erorr Divnation By Zero", "Message", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

break;

}

}

private void button5\_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 button6\_Click(object sender, EventArgs e)

{

txtNum1.Clear();

txtNum2.Clear();

txtResult.Clear();

}

public void enabled(bool f)

{

btnadd.Enabled = f;

btnmin.Enabled = f;

btnmul.Enabled = f;

btndiv.Enabled = f;

}

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

{

Opration(double.Parse(txtNum1.Text), double.Parse(txtNum2.Text), "+");

}

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

{

Opration(double.Parse(txtNum1.Text), double.Parse(txtNum2.Text), "-");

}

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

{

Opration(double.Parse(txtNum1.Text), double.Parse(txtNum2.Text), "\*");

}

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

{

Opration(double.Parse(txtNum1.Text), double.Parse(txtNum2.Text), "/");

}

private void txtNum1\_KeyPress(object sender, KeyPressEventArgs e)

{

isnumber(sender, e);

}

private void txtNum2\_KeyPress(object sender, KeyPressEventArgs e)

{

isnumber(sender, e);

}

private void txtNum1\_TextChanged(object sender, EventArgs e)

{

bool f = (txtNum1.Text.Trim() != "" && txtNum2.Text.Trim() != "");

enabled(f);

}

private void txtNum2\_TextChanged(object sender, EventArgs e)

{

bool f = (txtNum1.Text.Trim() != "" && txtNum2.Text.Trim() != "");

enabled(f);

}

}

}