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\_Lab3\_Form3 : Form

{

public frm\_Lab3\_Form3()

{

InitializeComponent();

}

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

{

txbFact.Text = txbSqrt.Text = txbSumation.Text = "";

double Sum = 0;

if (txbNumber.Text.Trim() != "")

{

double n = Convert.ToDouble(txbNumber.Text);

for (int i = 0; i <= n; i++)

{

Sum += i;

}

}

else

{

MessageBox.Show("Enter Number Please ? ");

return;

}

txbSumation.Text = Convert.ToString(Sum);

}

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

{

txbFact.Text = txbSqrt.Text = txbSumation.Text = "";

double f = 1;

if (txbNumber.Text.Trim() != "")

{

double n = Convert.ToDouble(txbNumber.Text);

for (int i = 1; i < n; i++)

{

f = f \* i;

}

}

else

{

MessageBox.Show("Enter Number Please ? ");

txbFact.Focus();

return;

}

txbFact.Text = Convert.ToString(f);

}

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

{

txbFact.Text = txbSqrt.Text = txbSumation.Text = "";

double n;

if (txbNumber.Text.Trim() != "")

{

n = Convert.ToDouble(txbNumber.Text);

}

else

{

MessageBox.Show("Enter Number Please ? ");

txbSqrt.Focus();

return;

}

txbSqrt.Text = Convert.ToString(Math.Sqrt(n));

}

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

{

isnumber(sender, e);

}

public void isnumber(object sender, KeyPressEventArgs e)

{

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

{

e.Handled = false;

}

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;

}

}

}

}