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 WindowsFormsApp1

{

public partial class Form1 : Form

{

static double SafeDivision(double x, double y)

{

if (y == 0) {

throw new DivideByZeroException(); }

return x / y;

}

static double SafeSqrt(double x)

{

if (x < 0)

{

throw new NumberException("number less than 0 ");

}

return x;

}

public Form1()

{

InitializeComponent();

}

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

{

double a = Convert.ToDouble(tbA.Text);

double b = Convert.ToDouble(tbB.Text);

double h = Convert.ToDouble(tbH.Text);

double y = 1;

for (double i = a; i <= b; i++)

{

try

{

double divider = SafeSqrt(Math.Pow(i, 2) + 2 \* i -5);

y = SafeDivision((3 \* i + 4), divider);//Math.Sqrt(SafeSqrt(Math.Pow(i,2)+2\*i+1)));

lbContainer.Items.Add( y);

}

catch (DivideByZeroException)

{

lbContainer.Items.Add($"division by 0");

}

catch (NumberException ex)

{

lbContainer.Items.Add($"not: { ex.Message}");

}

// y =(3\*i+4)/

}

}

class NumberException : ArgumentException

{

public int Value { get; }

public NumberException(string message):base(message)

{

}

}

}

}