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 WindowsFormsApp9

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

public int Flag;

public double a, b; // сохранить a-первый аргумент, b-второй

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

{

Flag = 0;

label1.Text = "+";

a = Convert.ToDouble(tb.Text);

tb.Text = "+";// сложение

}

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

{

Flag = 2;

label1.Text = "\*";

a = Convert.ToDouble(tb.Text);

tb.Text = "\*"; //умножение

}

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

{

Flag = 3;

label1.Text = "/";

a = Convert.ToDouble(tb.Text);

tb.Text = "/"; //деление

}

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

{

tb.Text = " ";

a = 0;

b = 0; //стереть содержимое памяти

}

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

{

tb.Text = tb.Text + "1"; //клавиша 1

}

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

{

tb.Text = tb.Text + "2";//клавиша 2

}

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

{

tb.Text = tb.Text + "3";//клавиша 3

}

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

{

tb.Text = tb.Text + "4";//клавиша 4

}

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

{

tb.Text = tb.Text + "5";//клавиша 5

}

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

{

tb.Text = tb.Text + "6";//клавиша 6

}

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

{

tb.Text = tb.Text + "7";//клавиша 7

}

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

{

tb.Text = tb.Text + "8";//клавиша 8

}

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

{

tb.Text = tb.Text + "9";//клавиша 9

}

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

{

Flag = 1;

label1.Text = "-";

a = Convert.ToDouble(tb.Text);

tb.Text = "-"; //вычитание

}

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

{

tb.Text = tb.Text + "0"; //клавиша 0

}

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

{

tb.Text = Math.Cos(Convert.ToDouble(tb.Text)).ToString();

}

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

{

tb.Text = Math.Sqrt(Convert.ToDouble(tb.Text)).ToString();

}

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

{

tb.Text = Math.Tan(Convert.ToDouble(tb.Text)).ToString();

}

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

{

tb.Text = Math.Sin(Convert.ToDouble(tb.Text)).ToString();

}

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

{

tb.Text = Math.Log(Convert.ToDouble(tb.Text)).ToString();

}

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

{

tb.Text = (1 / Math.Tan(Convert.ToDouble(tb.Text))).ToString();

}

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

{

Math.Pow(Convert.ToDouble(3), Convert.ToDouble(2)).ToString();

}

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

{

Math.Exp(Convert.ToDouble(2));

}

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

{

}

private void button20\_Click(object sender, EventArgs e)

{

tb.Text = (1 / Math.Tan(Convert.ToDouble(tb.Text))).ToString();

}

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

{

}

private void sin\_Click\_1(object sender, EventArgs e)

{

tb.Text = Math.Sin(Convert.ToDouble(tb.Text)).ToString();

}

private void cos\_Click\_1(object sender, EventArgs e)

{

tb.Text = Math.Cos(Convert.ToDouble(tb.Text)).ToString();

}

private void tg\_Click\_1(object sender, EventArgs e)

{

tb.Text = Math.Tan(Convert.ToDouble(tb.Text)).ToString();

}

private void button14\_Click(object sender, EventArgs e)

{

}

private void sqrt\_Click\_1(object sender, EventArgs e)

{

tb.Text = Math.Sqrt(Convert.ToDouble(tb.Text)).ToString();

}

private void button19\_Click(object sender, EventArgs e)

{

}

private void odin\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "1"; //клавиша 1

}

private void dva\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "2";//клавиша 2

}

private void tri\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "3";//клавиша 3

}

private void chetiri\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "4";//клавиша 4

}

private void pat\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "5";//клавиша 5

}

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

{

tb.Text = tb.Text + "6";//клавиша 6

}

private void sem\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "7";//клавиша 7

}

private void vosem\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "8";//клавиша 8

}

private void devet\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "9";//клавиша 9

}

private void nul\_Click\_1(object sender, EventArgs e)

{

tb.Text = tb.Text + "0"; //клавиша 0

}

private void ochistka\_Click\_1(object sender, EventArgs e)

{

tb.Text = " ";

a = 0;

b = 0; //стереть содержимое памяти

}

private void log\_Click\_1(object sender, EventArgs e)

{

tb.Text = Math.Log(Convert.ToDouble(tb.Text)).ToString();

}

private void label1\_Click(object sender, EventArgs e)

{

}

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

{

Math.Exp(Convert.ToDouble(2));

}

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

{

int i = Convert.ToInt32(tb.Text);

tb.Text = Convert.ToString(i, 2);

}

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

{

int i = Convert.ToInt32(tb.Text);

tb.Text = Convert.ToString(i, 8);

}

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

{

int i = Convert.ToInt32(tb.Text);

tb.Text = Convert.ToString(i, 16);

}

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

{

int i = Convert.ToInt32(tb.Text);

tb.Text = Convert.ToString(i, 10);

}

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

{

try

{

b = Convert.ToDouble(tb.Text);

if (Flag == 0) tb.Text = Convert.ToString(a + b);

if (Flag == 1) tb.Text = Convert.ToString(a - b);

if (Flag == 2) tb.Text = Convert.ToString(a \* b);

if (Flag == 3)

{

if (b == 0)

{

label1.Text = "Делить на 0 нельзя!";

}

else tb.Text = Convert.ToString(a / b);

}

}

catch (FormatException)

{

label1.Text = "Введено не число";

}

}

}

}