

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Text;

using System.Windows.Forms;

namespace fall\_2015winarray

{

public partial class Form1 : Form

{

int[,] grade = new int[25, 4];

string[] name = new string[25];

public Form1()

{

int a, b;

InitializeComponent();

for (a = 1; a < 25; a++)

{

name[a] = "";

for (b = 1; b < 4; b++)

grade[a, b] = 0;

}

}

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

{

//write

int a;

for (a = 1; a < 25; a++)

{

if (name[a] == "")

{

break;

}

}

name[a] = textBox1.Text;

grade[a, 1] = Convert.ToInt16(textBox2.Text);

grade[a, 2] = Convert.ToInt16(textBox3.Text);

grade[a, 3] = Convert.ToInt16(textBox4.Text);

textBox1.Text = "";

textBox2.Text = "";

textBox3.Text = "";

textBox4.Text = "";

textBox5.Text = "";

MessageBox.Show(a.ToString());

}

private void textBox4\_TextChanged(object sender, EventArgs e)

{

int a, b, c, d;

if ((textBox2.Text != "") && (textBox3.Text != "") && (textBox4.Text != ""))

{

a = Convert.ToInt16(textBox2.Text);

b = Convert.ToInt16(textBox3.Text);

c = Convert.ToInt16(textBox4.Text);

d = (a + b + c) / 3;

textBox5.Text = d.ToString();

}

}

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

{

//class avr

int Avr =0, Grade = 0 ;

int i,j;

for (i = 1; i < 25; i++)

{

if (name[i] == "")

break;

}

for (j = 1; j < i; j++)

{

Grade = Grade + grade[j, 1];

Grade = Grade + grade[j, 2];

Grade = Grade + grade[j, 3];

}

Avr = Grade / ((i - 1) \* 3);

//MessageBox.Show("avr = "+Avr.ToString());

//MessageBox.Show("i-1 = "+(i-1));

//MessageBox.Show("i-1\*3 = " + ((i - 1) \* 3));

textBox5.Text = Avr.ToString();

}

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

{

//Highest avr

int a, b, c=0, d=0, i;

for (i = 1; i < 25; i++)

{

if (name[i] == "")

break;

a = grade[i, 1];

a += grade[i, 2];

a += grade[i, 3];

b = a / 3;

if (c < b)

{

c = b;

d = i;

}

}

textBox1.Text = name[d];

}

}

}