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\_Lab4\_Form2 : Form

{

//مصفوفه

string[] arr;

int i = 0;

int m = 0;

public frm\_Lab4\_Form2()

{

InitializeComponent();

}

private void frm\_Lab4\_Form2\_Load(object sender, EventArgs e)

{

txbNum.Enabled = btn\_Add.Enabled = btnsum.Enabled =

btnDelete.Enabled = btn\_Show.Enabled = txbResult.Enabled = false;

}

private void btn\_Add\_Click(object sender, EventArgs e)

{

if (btn\_Add.Text.Trim() != "")

{

if (i < m)

{

arr[i++] = btn\_Add.Text.ToString();

txbNum.Clear();

txbNum.Focus();

}

else

{

MessageBox.Show("المصفوفة ممتلئة");

}

}

else

{

MessageBox.Show("ادخل الرقم");

}

}

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

{

if(e.KeyChar<48 || e.KeyChar>57)

{

e.Handled = true;

}

if(e.KeyChar==8)

{

e.Handled = false;

}

}

private void listBox1\_SelectedIndexChanged(object sender, EventArgs e)

{

listBox1.Items.Clear();

if(i>0)

{

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

{

listBox1.Items.Add(arr[n]);

}

}

else

{

MessageBox.Show("المصفوفة فارغة");

}

}

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

{

int sum = 0;

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

{

sum += int.Parse(arr[n]);

}

txbResult.Text = sum.ToString();

}

private void txbNum1\_KeyPress(object sender, KeyPressEventArgs e)

{

if (e.KeyChar < 48 || e.KeyChar > 57)

e.Handled = true;

if (e.KeyChar == 8)

e.Handled = false;

}

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

{

int b = listBox1.Items.Count;

if(b>0)

{

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

{

listBox1.Items.Remove(listBox1.Items[0]);

i = m = 0;

btn\_Add.Text = txb\_Count.Text = txbResult.Text = "";

frm\_Lab4\_Form2\_Load(null, null);

}

}

else

{

MessageBox.Show("المصفوفة فاضية");

}

}

private void txbAdd\_Leave(object sender, EventArgs e)

{

if (txb\_Count.Text.Trim() != "")

{

m = int.Parse(txb\_Count.Text);

arr = new string[m]; i = 0;

}

}

private void txbNum1\_TextChanged(object sender, EventArgs e)

{

bool f = (txb\_Count.Text.Trim() != "");

btn\_Add.Enabled = btnsum.Enabled = txbNum.Enabled=

btnDelete.Enabled = btn\_Show.Enabled = txbResult.Enabled = true;

txb\_Count.Enabled = false;

}

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

{

}

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

{

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

{

if (i < m)

{

arr[i++] = txbNum.Text.ToString();

txbNum.Clear();

txbNum.Focus();

}

else

{

MessageBox.Show("مصفوفة ممتلئة .");

}

}

else

{

MessageBox.Show("ادخل العدد ؟");

}

}

private void btn\_Add\_Leave(object sender, EventArgs e)

{

}

private void txb\_Count\_Leave(object sender, EventArgs e)

{

if(txb\_Count.Text.Trim()!="")

{

m = int.Parse(txb\_Count.Text);

arr = new string[m];

i = 0;

}

}

private void btn\_Show\_Click(object sender, EventArgs e)

{

listBox1.Items.Clear();

if (i > 0)

{

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

{

listBox1.Items.Add(arr[h]);

}

}

else

{

MessageBox.Show("المصوفة فارغة");

}

}

}

}