The first databaseprogram



using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Text;

using System.Windows.Forms;

using System.Data.Odbc;

namespace fall2015windb01

{

 public partial class Form1 : Form

 {

 static public string sql;

 static public string constr = "dsn=yourdsn; name=root; pwd=";

 static public OdbcConnection con;

 static public OdbcCommand cmd;

 static public OdbcDataReader rd;

 static public int[] ind = new int[100];

 public Form1()

 {

 InitializeComponent();

 updlb();

 }

 public void updlb()

 {

 int x = 0;

 listBox1.Items.Clear();

 sql = "SELECT \* FROM firstone;";

 dbr();

 while (rd.Read())

 {

 listBox1.Items.Add(rd["name"].ToString());

 ind[x++] = Convert.ToInt16(rd["i"]);

 }

 rd.Close();

 }

 private void dbw()

 {

 con = new OdbcConnection(constr);

 cmd = new OdbcCommand(sql, con);

 con.Open();

 cmd.ExecuteNonQuery();

 con.Close();

 }

 private void dbr()

 {

 con = new OdbcConnection(constr);

 cmd = new OdbcCommand(sql, con);

 con.Open();

 rd = cmd.ExecuteReader();

 }

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

 {

 //create table

 try

 {

 sql = "CREATE TABLE firstone ( ";

 sql += "i int primary key auto\_increment, ";

 sql += "name varchar(30), ";

 sql += "addr varchar(40));";

 dbw();

 }

 catch

 {

 }

 }

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

 {

 //insert

 sql = "INSERT INTO firstone (name, addr) VALUES ('";

 sql += textBox1.Text;

 sql += "','";

 sql += textBox2.Text;

 sql += "');";

 dbw();

 textBox1.Text = "";

 textBox2.Text = "";

 updlb();

 }

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

 {

 sql = "SELECT \* FROM firstone WHERE i = ";

 sql += ind[listBox1.SelectedIndex];

 sql += ";";

 dbr();

 while (rd.Read())

 {

 textBox1.Text = rd["name"].ToString();

 textBox2.Text = rd["addr"].ToString();

 }

 rd.Close();

 }

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

 {

 //edit

 sql = "UPDATE firstone ";

 sql += "SET name = '";

 sql += textBox1.Text;

 sql += "', addr = '";

 sql += textBox2.Text;

 sql += "' WHERE i = ";

 sql += ind[listBox1.SelectedIndex];

 sql += ";";

 dbw();

 textBox1.Text = "";

 textBox2.Text = "";

 updlb();

 }

 private void button5\_Click(object sender, EventArgs e)

 {

 //delete

 sql = "DELETE FROM firstone WHERE i = ";

 sql += ind[listBox1.SelectedIndex];

 sql += ";";

 dbw();

 textBox1.Text = "";

 textBox2.Text = "";

 updlb();

 }

 private void button4\_Click(object sender, EventArgs e)

 {

 //drop table

 sql = "DROP TABLE firstone;";

 dbw();

 }

 }

}