

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 fall2015windb02

{

public partial class Form1 : Form

{

static public OdbcConnection con = new OdbcConnection();

static public OdbcCommand cmd = new OdbcCommand();

static public OdbcDataReader rd ;

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

static public string sql;

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

public Form1()

{

InitializeComponent();

createtable();

updlb();

}

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 updlb()

{

int i = 0;

listBox1.Items.Clear();

sql = "select \* from test2;";

dbr();

while (rd.Read())

{

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

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

}

rd.Dispose();

con.Close();

}

private void createtable()

{

try

{

sql = " Create table test2 (";

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

sql += " name varchar(20),";

sql += " flavor varchar(20),";

sql += " color varchar(20));";

//MessageBox.Show(sql);

dbw();

}

catch

{

}

}

private void Form1\_Load(object sender, EventArgs e)

{

}

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

{

//create an ice

sql = "insert into test2 (name, flavor, color) values ('";

sql += textBox1.Text;

sql += "','";

sql += textBox2.Text;

sql += "','";

sql += textBox3.Text;

sql += "');";

MessageBox.Show(sql);

dbw();

textBox1.Text = "";

textBox2.Text = "";

textBox3.Text = "";

updlb();

}

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

{

sql = "select \* from test2;";

dbr();

while (rd.Read())

{

if (Convert.ToInt16(rd["i"]) == ind[listBox1.SelectedIndex])

{

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

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

textBox3.Text = rd["color"].ToString();

}

}

rd.Dispose();

con.Close();

}

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

{

//delete an icecream

sql = "delete from test2 where i = ";

sql += ind[listBox1.SelectedIndex];

sql += ";";

MessageBox.Show(sql);

dbw();

updlb();

textBox1.Text = "";

textBox2.Text = "";

textBox3.Text = "";

}

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

{

//update

sql = "Update test2 set name = '";

sql += textBox1.Text;

sql += "', flavor = '";

sql += textBox2.Text;

sql += "',color = '";

sql += textBox3.Text;

sql += "' where i = ";

sql += ind[listBox1.SelectedIndex];

sql += ";";

dbw();

updlb();

textBox1.Text = "";

textBox2.Text = "";

textBox3.Text = "";

}

}

}