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Демо 1 и 2 практика

Form1.cs конструктор – ничего не делаем

Form1.cs

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 DataBase

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

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

{

}

}

}

Database.cs

using System;

using System.Collections.Generic;

using System.Data.SqlClient;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace DataBase

{

public class Database

{

SqlConnection sqlConnection = new SqlConnection(@"Data Source = DARK\MSSQLSERVER01;Database = demo2;Integrated Security = true");

public void openConnection()

{

if (sqlConnection.State == System.Data.ConnectionState.Closed) { sqlConnection.Open(); }

}

public void closeConnection()

{

if (sqlConnection.State == System.Data.ConnectionState.Open) { sqlConnection.Close(); }

}

public SqlConnection getConnection()

{

return sqlConnection;

}

}

}

}

Создается таблица "Register" с полями: ID, логин, пароль. Вставляются данные в таблицу с помощью запроса INSERT.

CREATE table register(

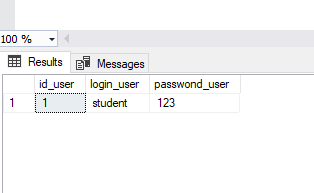
id\_user int identity(1,1) not null,

login\_user varchar (50) not null,

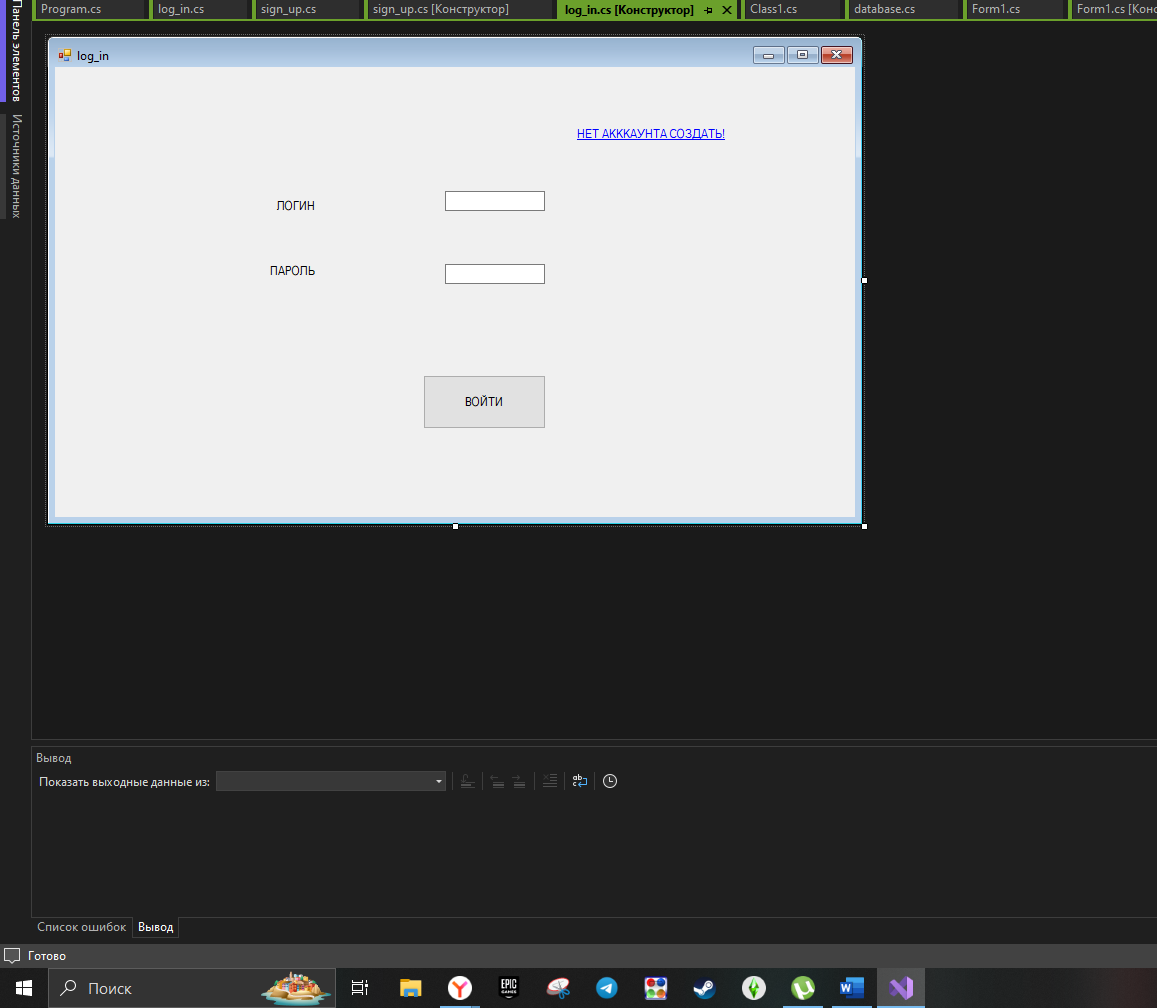
passwond\_user varchar(58) not null

);

insert into register (login\_user, passwond\_user) values ('student', '123')



log\_in.cs конструктор Создается форма с элементами управления: картинки, лейблы, текст-боксы, кнопка.



log\_in.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Data.SqlClient;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DataBase

{

public partial class log\_in : Form

{

Database database = new Database();

public log\_in()

{

InitializeComponent();

}

private void log\_in\_Load(object sender, EventArgs e)

{

textBox2.PasswordChar = '\*';

textBox1.MaxLength = 50;

textBox2.MaxLength = 50;

}

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

{

var loginUser = textBox1.Text;

var passUser = textBox2.Text;

SqlDataAdapter adapter = new SqlDataAdapter();

DataTable table = new DataTable();

string querystring = $"select id\_user, login\_user, passwond\_user from register where login\_user = '{loginUser}' and passwond\_user = '{passUser}'";

SqlCommand command = new SqlCommand(querystring, database.getConnection());

adapter.SelectCommand = command;

adapter.Fill(table);

if (table.Rows.Count == 1)

{

MessageBox.Show("Вы успешно вошли!", "Успешно!", MessageBoxButtons.OK, MessageBoxIcon.Information);

Form1 frm1 = new Form1();

this.Hide();

frm1.ShowDialog();

this.Show();

}

else

MessageBox.Show("Такого аккаунта не существует!", "Аккаунта не существует!!", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

private void linkLabel1\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

sing\_up frm\_sign = new sing\_up();

frm\_sign.Show();

this.Hide();

}

}

}

Log\_in.Designer

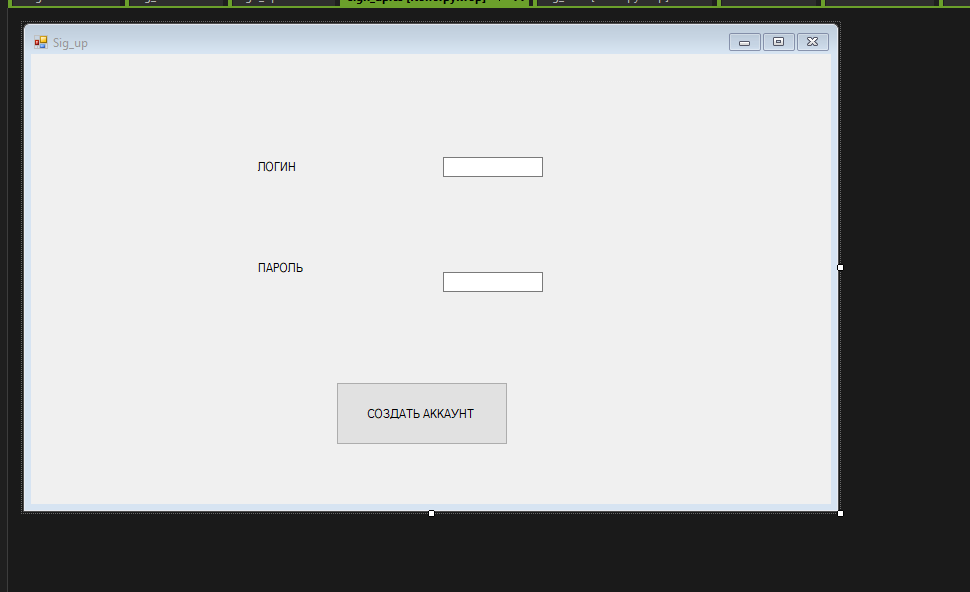
this.button2.Click += new System.EventHandler(this.button2\_Click);

this.linkLabel1.LinkClicked += new LinkLabelLinkClickedEventHandler(linkLabel1\_LinkClicked);

sign\_up конструктор

sign\_up.Designer

this.button.Click += new System.EventHandler(this.btnCreate\_Click);



sign\_up.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Data.SqlClient;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DataBase

{

public partial class sing\_up : Form

{

Database database = new Database();

public sing\_up()

{

InitializeComponent();

}

private void sing\_up\_Load(object sender, EventArgs e)

{

}

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

{

Database dataBase = new Database();

var login = textBox\_login2.Text;

var password = textBox\_password2.Text;

string querysrting = $"insert into register (login\_user, passwond\_user) values('{login}','{password} ')";

SqlCommand command = new SqlCommand(querysrting, dataBase.getConnection());

dataBase.openConnection();

if (command.ExecuteNonQuery() == 1)

{

MessageBox.Show("Аккаунт успешно создан!", "Успех!");

log\_in frm\_login = new log\_in();

this.Hide();

frm\_login.ShowDialog();

}

else

{

MessageBox.Show("Аккаунт не создан!");

}

database.closeConnection();

}

}

}

Program.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DataBase

{

internal static class Program

{

/// <summary>

/// Главная точка входа для приложения.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new log\_in());

}

}

}

ЧТО ПОЛУЧИЛОСЬ

