

Регистрация и авторизация

Form 1

```
namespace TestPracrice
```

```
{
```

```
    public partial class Form1 : Form
```

```
    {
```

```
        DataBase dataBase = new DataBase();
```

```
        public Form1()
```

```
        {
```

```
            InitializeComponent();
```

```
            StartPosition = FormStartPosition.CenterScreen;
```

```
        }
```

```
        private void Form1_Load(object sender, EventArgs e)
```

```
        { }
```

```
        private void Form1_Load_1(object sender, EventArgs e)
```

```
        { }
```

```
        private void pictureBox1_Click(object sender, EventArgs e)
```

```
        { }
```

```
    }
```

```
}
```

Form 2

```
using System;
```

```
using System.Collections.Generic;
```

```
using System.ComponentModel;
```

```
using System.Data;
```

```
using System.Data.SqlClient;
```

```
using System.Drawing;
```

```
using System.Drawing.Text;
```

```
using System.Linq;
```

```
using System.Text;
```

```
using System.Threading.Tasks;
```

```
using System.Windows.Forms;
```

```

namespace TestPracrice
{
    public partial class Form2 : Form
    {
        DataBase dataBase = new DataBase();

        public Form2()
        {
            InitializeComponent();
            StartPosition = FormStartPosition.CenterScreen;
        }

        private void btnCreate_Click(object sender, EventArgs e)
        {
            if (checkUser())
            {
                return;
            }

            var login = textBox_login2.Text;
            var password = textBox_password2.Text;

            string querystring = $"insert into register(login_user, password_user)
values('{login}','{password}')";

            SqlCommand command = new SqlCommand(querystring, dataBase.GetConnection());
            dataBase.openConnection();
            if (command.ExecuteNonQuery() == 1)
            {
                MessageBox.Show("Аккаунт успешно создан!", "Успех!");
                Form3 frm_login = new Form3();
                frm_login.ShowDialog();
                this.Hide();
            }
            else
            {
                MessageBox.Show("Аккаунт не создан!");
            }

            dataBase.closeConnection();
        }
    }
}

```

```

    }

    private Boolean checkUser()
    {
        var LoginUser = textBox_login2.Text;
        var passUser = textBox_password2.Text;

        SqlDataAdapter adapter = new SqlDataAdapter();
        DataTable table = new DataTable();

        string querystring = $"select id_user, login_user, password_user from register where login_user = '{LoginUser}' and password_user = '{passUser}'";

        SqlCommand command = new SqlCommand(querystring, dataBase.GetConnection());
        adapter.SelectCommand = command;
        adapter.Fill(table);
        if(table.Rows.Count > 0)
        {
            MessageBox.Show("Пользователь уже существует!");
            return true;
        }
        else
        {
            return false;
        }
    }
}

```

Form 3

```

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 TestPracrice
```

```
{
```

```
    public partial class Form3 : Form
```

```
    {
```

```
        DataBase dataBase = new DataBase();
```

```
        public Form3()
```

```
        {
```

```
            InitializeComponent();
```

```
            StartPosition = FormStartPosition.CenterScreen;
```

```
        }
```

```
        private void Form3_Load(object sender, EventArgs e)
```

```
        {
```

```
            textBox2.PasswordChar = '*';
```

```
            textBox1.MaxLength = 50;
```

```
            textBox2.MaxLength = 50;
```

```
        }
```

```
        private void button1_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, password_user from register where login_user = '{LoginUser}' and password_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 label1_Click(object sender, EventArgs e)

    {

        Form2 frm_sign = new Form2();

        frm_sign.Show();

        this.Hide();

    }

}

}

```

```

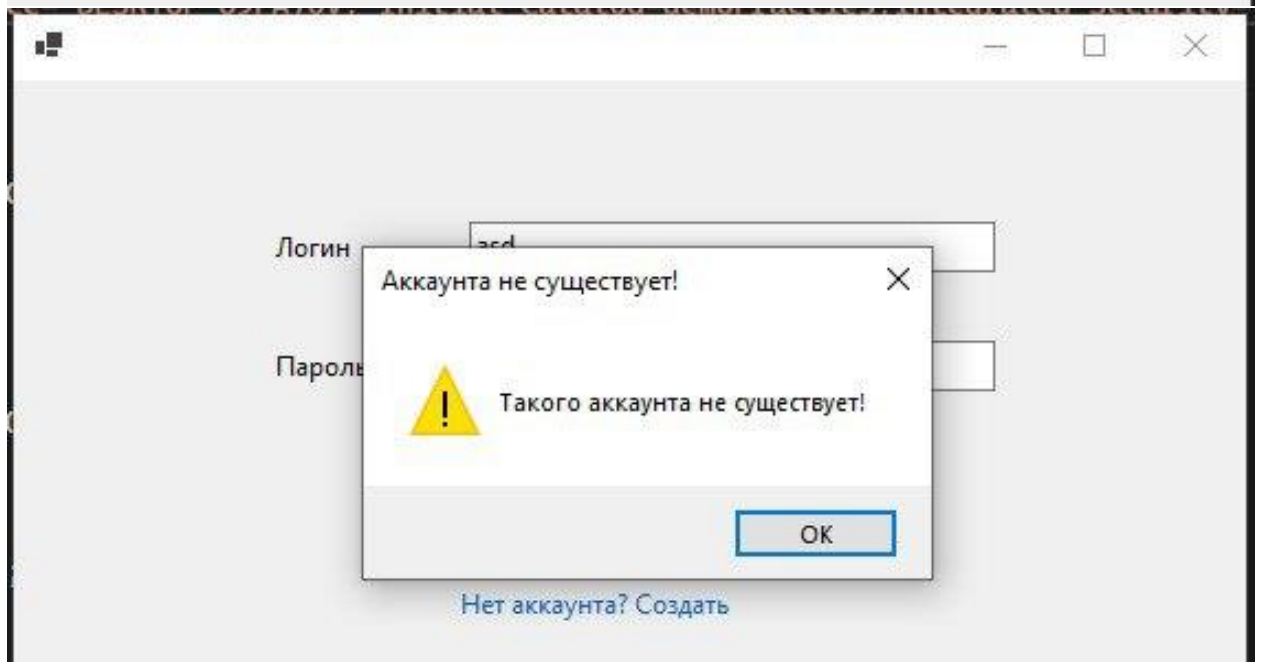
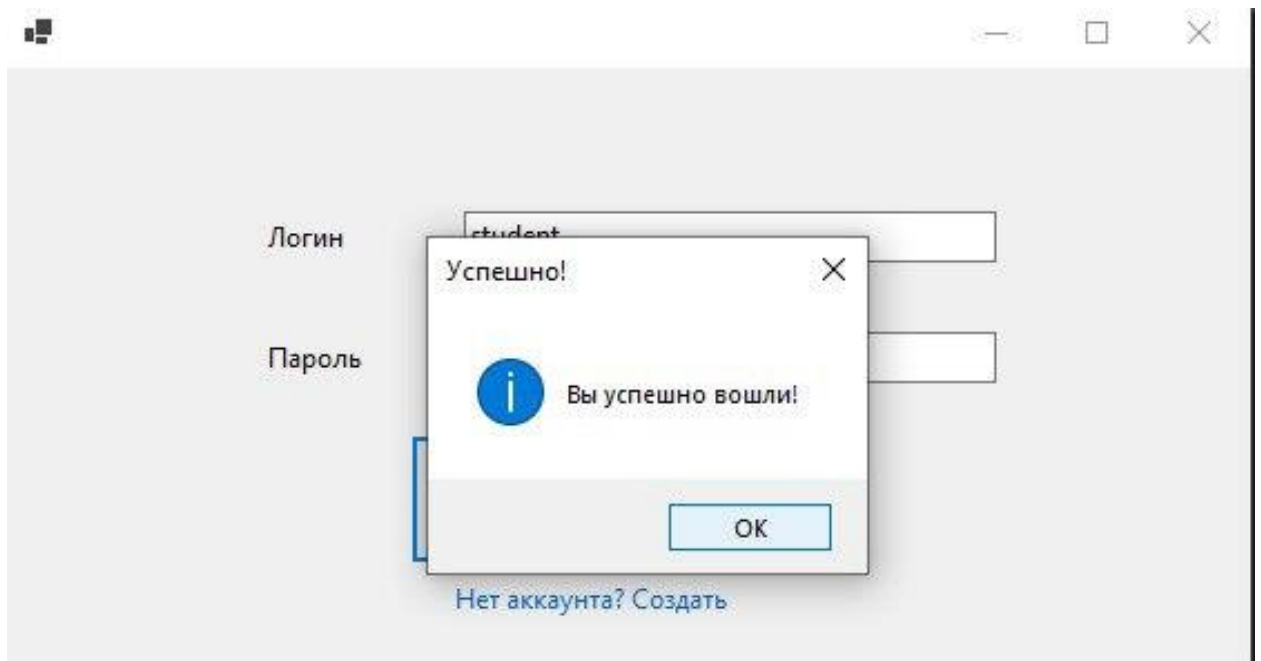
CREATE table register(
id_user int identity(1,1) not null,
login_user varchar(50) not null,
password_user varchar(50) not null
);

insert into register (login_user, password_user) values ('student', '123')

```

```
select * from register
```

Results			
	id_user	login_user	password_user
1	1	student	123



Логин

dlok

Пароль

Успех!



Аккаунт успешно создан!

OK

