

Program.sc

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace IS213
{
    internal static class Program
    {
        /// <summary>
        /// Главная точка входа для приложения.
        /// </summary>
        [STAThread]
        static void Main()
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);
            Application.Run(new Sign_up());
        }
    }
}
```

log in.sc

```
namespace IS213
{
    public partial class log_in : Form
    {
        public log_in()
        {
            InitializeComponent();
        }

        private void label2_Click(object sender, EventArgs e)
        {
        }

        private void textBox1_TextChanged(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
        }

        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)
        {
            DataBase dataBase = new DataBase();
            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 linkLabel1_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)
    {
        Sign_up frm_sign = new Sign_up();
        frm_sign.Show();
        this.Hide();
    }
}
}

```

sign up.sc

namespace IS213

```

{
    public partial class Sign_up : Form
    {
        public Sign_up()
        {
            InitializeComponent();
        }

        private void label2_Click(object sender, EventArgs e)
        {
        }

        private void textBox1_TextChanged(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
            DataBase dataBase = new DataBase();

            string login = textBox2.Text;
            string password = textBox1.Text;

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

            SqlCommand command = new SqlCommand(queriesrting, 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();
}

private void label1_Click(object sender, EventArgs e)
{
}

private void linkLabel1_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)
{
    Sign_up frm_sign = new Sign_up();
    frm_sign.Show();
    this.Hide();
}

private void Sign_up_Load(object sender, EventArgs e)
{
}

private void textBox2_TextChanged(object sender, EventArgs e)
{
}

private void textBox3_TextChanged(object sender, EventArgs e)
{
}
}
}

```

database.sc

namespace IS213

```

{
    internal class DataBase
    {
        SqlConnection sqlConnection = new SqlConnection(@"Data Source = DESKTOP-JE8L9O0; Initial Catalog = 
register; 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;  
    }  
}
```