```
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();
```

```csharp
        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("Ви успешно вошли!", "успешно!", MessageBoxButtons.OK,
MessageBoxIcon.Information);
            Form1 frm1 = new Form1();
            this.Hide();
            frm1.ShowDialog();
            this.Show();
        }
        else
            MessageBox.Show("Такого аккаунта не судествует!", "Аккаунта не судествует!!", 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 querysrting = ($"insert into register(login_user, password_user) values ('{login}', '{password}')");

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

            dataBase.openConnection();

            if (command.ExecuteNonQuery() == 1)
            {
                MessageBox.Show("Аккаунт успешно создан!", "Успех!");
```

```csharp
                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
```csharp
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()
        {
```

```csharp
                return sqlConnection;
            }
        }
    }


namespace IS213
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            LoadData();
        }

        private void LoadData()
        {
            string connectString = "Data Source=DESKTOP-OP1S0BT;Initial Catalog=romaandkirill;Integrated Security=true;";

            using (SqlConnection myConnection = new SqlConnection(connectString))
            {
                try
                {
                    myConnection.Open();
                    Console.WriteLine("Подключение к базе данных успешно!");

                    string query = "SELECT * FROM Faculties3 ORDER BY fac_id";
                    SqlCommand command = new SqlCommand(query, myConnection);
                    SqlDataReader reader = command.ExecuteReader();

                    List<string[]> data = new List<string[]>();

                    while (reader.Read())
                    {
                        string[] row = new string[3];
                        row[0] = reader["fac_id"].ToString();
                        row[1] = reader["fac_name_full"].ToString();
                        row[2] = reader["fac_name_abbr"].ToString();

                        data.Add(row);
                    }

                    reader.Close();

                    foreach (string[] s in data)
                    {
                        dataGridView1.Rows.Add(s);
                    }
                }
                catch (SqlException ex)
                {
                    MessageBox.Show("Ошибка при подключении к базе данных: " + ex.Message, "Ошибка",
MessageBoxButtons.OK, MessageBoxIcon.Error);
                }
                catch (Exception ex)
                {
                    MessageBox.Show("Произошла непредвиденная ошибка: " + ex.Message, "Ошибка",
MessageBoxButtons.OK, MessageBoxIcon.Error);
                }
            }
```

```csharp
        }

        private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
            string facNameFull = textBox1.Text;
            string facNameAbbr = textBox2.Text;

            string connectString = "Data Source=DESKTOP-OP1S0BT;Initial Catalog=romaandkirill;Integrated Security=true;";

            using (SqlConnection myConnection = new SqlConnection(connectString))
            {
                myConnection.Open();

                string query = "INSERT INTO Faculties3 (fac_name_full, fac_name_abbr) VALUES (@fullName, @abbr); SELECT SCOPE_IDENTITY();";

                using (SqlCommand command = new SqlCommand(query, myConnection))
                {
                    command.Parameters.AddWithValue("@fullName", facNameFull);
                    command.Parameters.AddWithValue("@abbr", facNameAbbr);

                    int newId = Convert.ToInt32(command.ExecuteScalar());

                    dataGridView1.Rows.Add(new object[] { newId, facNameFull, facNameAbbr });
                }

            }

            textBox1.Clear();
            textBox2.Clear();
        }
    }
}
```

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

Form1

Column1	Column2	Column3
11	авыаыв	ыва
13	ывавывавыва	папа
14	ячс	чс
15	ячс	ячс
16	вп	ввв
*		

[button1]

LQuery10.sql - D...\StudentFSPO (75))*   SQLQuery8.sql - DE...\StudentFSPO (55))*   SQLQuery7.sql - DE

```sql
SET IDENTITY_INSERT Faculties3 ON;

INSERT INTO Faculties3 (fac_id, fac_name_full, fac_name_abbr) VALUES
(1, 'Факультет компьютерных наук', 'ФКН'),
(2, 'Факультет математики', 'ФМ'),
(3, 'Факультет естественных наук', 'ФЕН'),
(4, 'Факультет физики', 'ФФ'),
(5, 'Факультет химии', 'ФХ'),
(6, 'Факультет экономики', 'ФЭ'),
(7, 'Факультет психологии', 'ФП'),
(8, 'Факультет социальных наук', 'ФСН'),
(9, 'Факультет истории', 'ФИ'),
(10, 'Факультет филологии', 'ФФи');

SET IDENTITY_INSERT Faculties3 OFF;
```