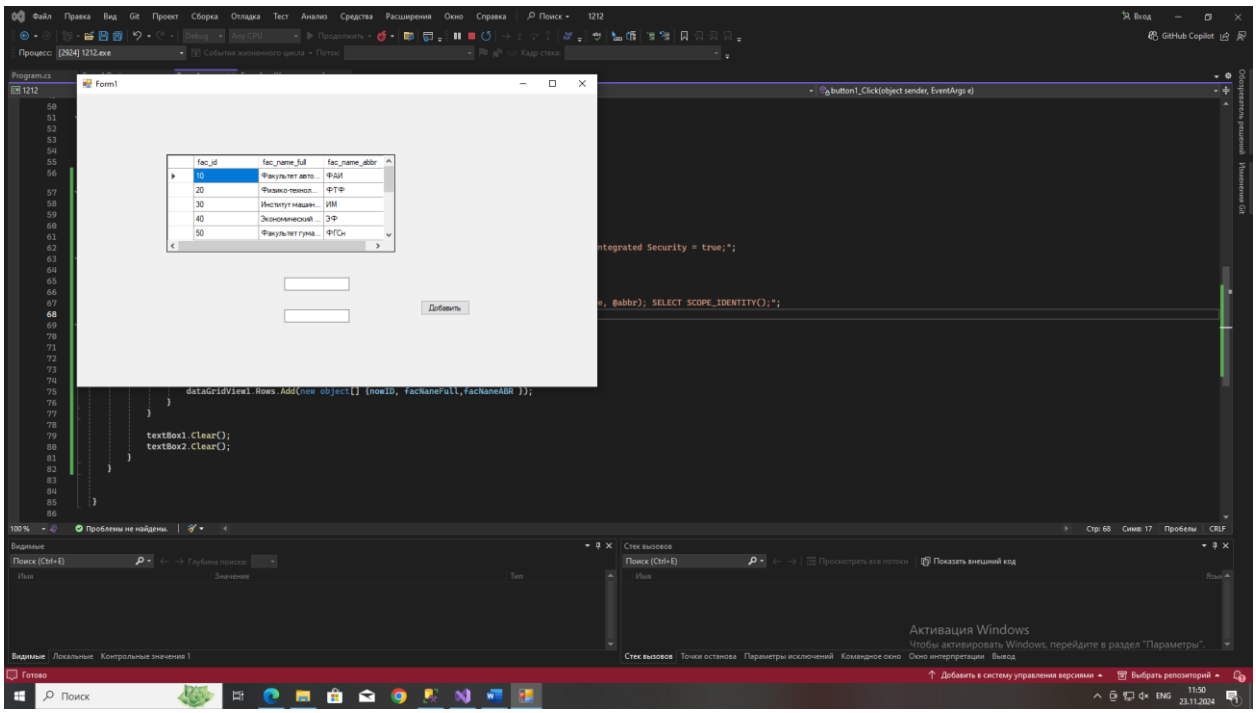
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace _1212
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
            LoadData();
        }

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

            SqlConnection myConnection = new SqlConnection(connectString);

            myConnection.Open();

            string query = "SELECT * FROM Faculties ORDER BY fac_id";

            SqlCommand command = new SqlCommand(query, myConnection);

            SqlDataReader reader = command.ExecuteReader();

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

            while (reader.Read())
```

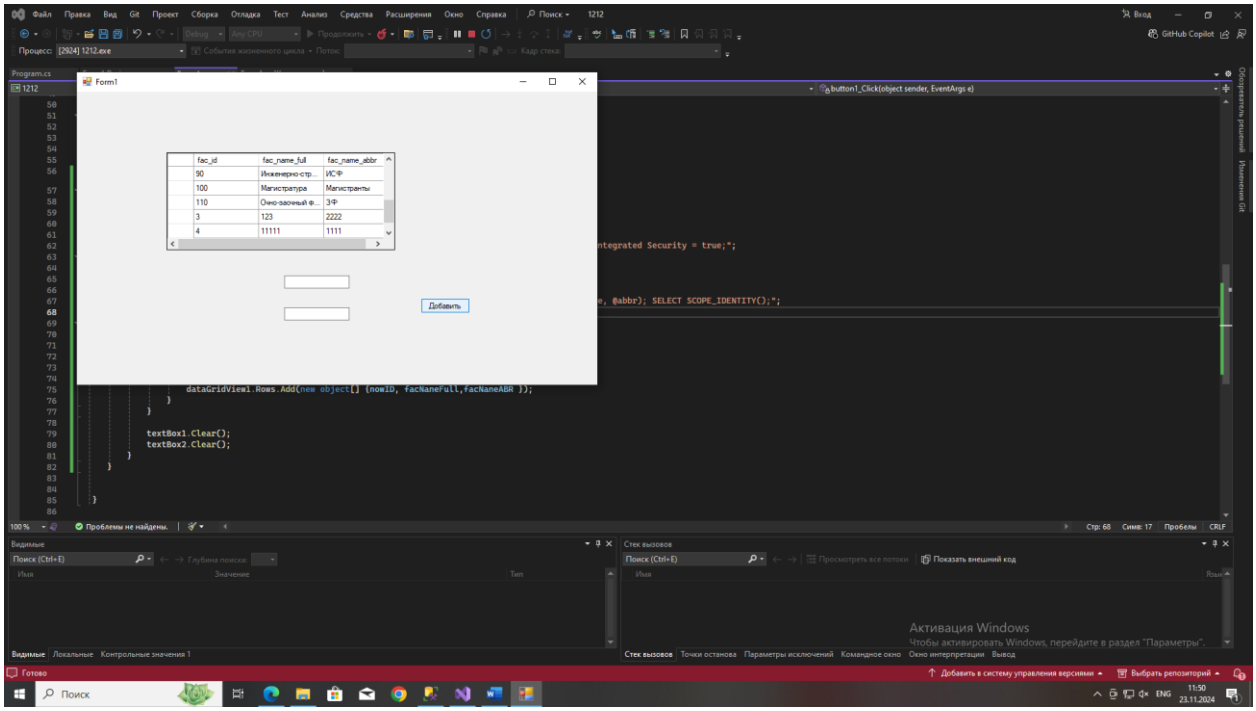
```
            string query = "SELECT * FROM Faculties ORDER BY fac_id";

            SqlCommand command = new SqlCommand(query, myConnection);

            SqlDataReader reader = command.ExecuteReader();

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

            while (reader.Read())
            {
                data.Add(new string[3]);

                data[data.Count - 1][0] = reader[0].ToString();
                data[data.Count - 1][1] = reader[1].ToString();
                data[data.Count - 1][2] = reader[2].ToString();
            }

            reader.Close();

            myConnection.Close();

            foreach (string[] s in data)
            {
                dataGridView1.Rows.Add(s);
            }
        }

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

            string connectSTR = "Data Source=DESKTOP-HKCBHHV;Initial Catalog=PaculowArtemDaneKuroshup;Integrated Security = true;";
            using (SqlConnection myConnection = new SqlConnection(connectSTR))
            {
                myConnection.Open();

                string query = "INSERT INTO FacultisTest2(fac_name_full, fac_name_abbr) VALUES(@fullNane, @abbr); SELECT SCOPE_IDENTITY();";
```

```
foreach (string[] s in data)
{
    dataGridView1.Rows.Add(s);
}
}

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

    string connectSTR = "Data Source=DESKTOP-HKCBHHV;Initial Catalog=PaculowArtemDaneKuroshup;Integrated Security = true;";
    using (SqlConnection myConnection = new SqlConnection(connectSTR))
    {
        myConnection.Open();

        string query = "INSERT INTO FacultisTest2(fac_name_full, fac_name_abbr) VALUES(@fullNane, @abbr); SELECT SCOPE_IDENTITY();";

        using (SqlCommand command = new SqlCommand(query, myConnection))
        {
            command.Parameters.AddWithValue("@fullNane",facNaneFull);
            command.Parameters.AddWithValue("@abbr", facNaneABR);

            int nowID = Convert.ToInt32(command.ExecuteScalar());
            dataGridView1.Rows.Add(new object[] {nowID, facNaneFull,facNaneABR });
        }
    }

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

}
```

```
CREATE TABLE FacultisTest2 (
    fac_id INT IDENTITY(1,1)PRIMARY KEY,
    fac_name_full NVARCHAR(255),
    fac_name_abbr NVARCHAR(50)
);
```

```
Msg 2714, Level 16, State 6, Line 1
В базе данных уже существует объект с именем "FacultisTest2".

Completion time: 2024-11-23T11:25:15.4157558+03:00
```


Form1
fac_id
fac_name_full
fac_name_abbr
10
Факультет авто...
ФАИ
20
Физико-техноло...
ФТФ
30
Институт машин...
ИМ
40
Экономический ...
ЭФ
50
Факультет гума...
ФГСн
Добавить
dataGridView1.Rows.Add(new object[] {nowID, facNameFull,facNameABR });
textBox1.Clear();
textBox2.Clear();


Form1
fac_id
fac_name_full
fac_name_abbr
90
Инженерно-стр...
ИСФ
100
Магистратура
Магистранты
110
Очно-заочный ф...
ЗФ
3
123
2222
4
11111
1111
Добавить
dataGridView1.Rows.Add(new object[] {nowID, facNameFull,facNameABR });
textBox1.Clear();
textBox2.Clear();