

Горяева Татьяна

Создание таблицы Faculties

```
SELECT TOP (1000) [fac_id]
      ,[fac_name_full]
      ,[fac_name_abbr]
FROM [DataGirdView].[dbo].[Faculties]
CREATE TABLE FacultiesTest1 (
fac_id INT IDENTITY (1,1) PRIMARY KEY, fac_name_full NVARCHAR (255),
fac_name_abbr NVARCHAR (50)
);
```

Form1.cs

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.Common;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Windows.Input;
using System.Xml.Linq;
using static System.Windows.Forms.VisualStyles.VisualStyleElement.ProgressBar;
using static System.Windows.Forms.VisualStyles.VisualStyleElement.Status;

namespace DataGirdView
{
    public partial class Form1 : Form
    {

        public Form1()
        {
            InitializeComponent();
            LoadData();
        }

        private void Form1_Load(object sender, EventArgs e)
        {

        }
        private void LoadData()
        {
            string connectionString = @"Data Source=DARK\MSSQLSERVER01;Database = DataGirdView;Integrated Security
= true;" +
                "Integrated Security=true;";

            SqlConnection myConnection = new SqlConnection(connectionString);

            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())
            {
```

```

        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 facNameFull = textBox1.Text; // Полное название факультета
    string facNameAbbr = textBox2.Text;

    string connectionString = @"Data Source=DARK\MSSQLSERVER01;Database = DataGirdView;Integrated Security
= true;";
    using (SqlConnection myConnection = new SqlConnection(connectionString))
    {
        myConnection.Open();

        // Запрос на вставку и получение нового fac_id
        string query = "INSERT INTO FacultiesTest1(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);

            // Получаем последний добавленный идентификатор
            int nowId = Convert.ToInt32(command.ExecuteScalar());

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

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

```

| Column1 | Column2 | Column3 |
|---------|-------------------|-------------|
| 50 | Факультет гума... | ФГСН |
| 60 | Факультет энер... | ФЗ |
| 70 | Факультет тран... | отс |
| 80 | Металлургическ... | ми |
| 90 | Инженерно-стр... | исо |
| 100 | Магистратура | Магистранты |
| 110 | Очно-заочный ф... | ОЗФ |

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facNameAbbr);

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cuteScalar());

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```

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85
86     textBox1.Clear();
87     textBox2.Clear();

```

| Column1 | Column2 | Column3 |
|---------|-------------------|-------------|
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| 110 | Очно-заочный ф... | ОЗФ |
| 2 | 4 | 4 |

ЗАДАНИЕ: Нужно создать самими новую таблицу, с названием "Group IS" (Номер вашей группы), столбцы id, Фио и имя студента

```

CREATE TABLE GROUPIS213 (
fac_id INT PRIMARY KEY,
fac_name_full NVARCHAR(255),
fac_name_abbr NVARCHAR(50)
);
INSERT INTO GROUPIS213(fac_id,fac_name_full,fac_name_abbr) VALUES
(1, 'Горяева' , 'Татьяна'),
(2, 'Пискун' , 'Полина'),
(3, 'Самарина' , 'Алина'),
(4, 'Самко' , 'Анастасия');

SELECT TOP (1000) [fac_id]
      ,[fac_name_full]
      ,[fac_name_abbr]
FROM [GroupIS213].[dbo].[GROUPIS213]
CREATE TABLE GR (
fac_id INT IDENTITY (1,1) PRIMARY KEY, fac_name_full NVARCHAR (255),
fac_name_abbr NVARCHAR (50)
);

```

Form1.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 GROUP
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
            LoadData();
        }

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

        private void LoadData()
        {
            string connectString = @"Data Source=DARK\MSSQLSERVER01;Database =GroupIS213 ;Integrated Security =
true;" +
                "Integrated Security=true;";

            SqlConnection myConnection = new SqlConnection(connectString);

            myConnection.Open();

            string query = "SELECT * FROM GroupIS213 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 facNameFull = textBox1.Text; // Полное название факультета
            string facNameAbbr = textBox2.Text;

            string connectString = @"Data Source=DARK\MSSQLSERVER01;Database = GroupIS213;Integrated Security =
true;";
            using (SqlConnection myConnection = new SqlConnection(connectString))
            {
                myConnection.Open();

                // Запрос на вставку и получение нового fac_id
                string query = "INSERT INTO GR(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);
                }
            }
        }
    }
}

```

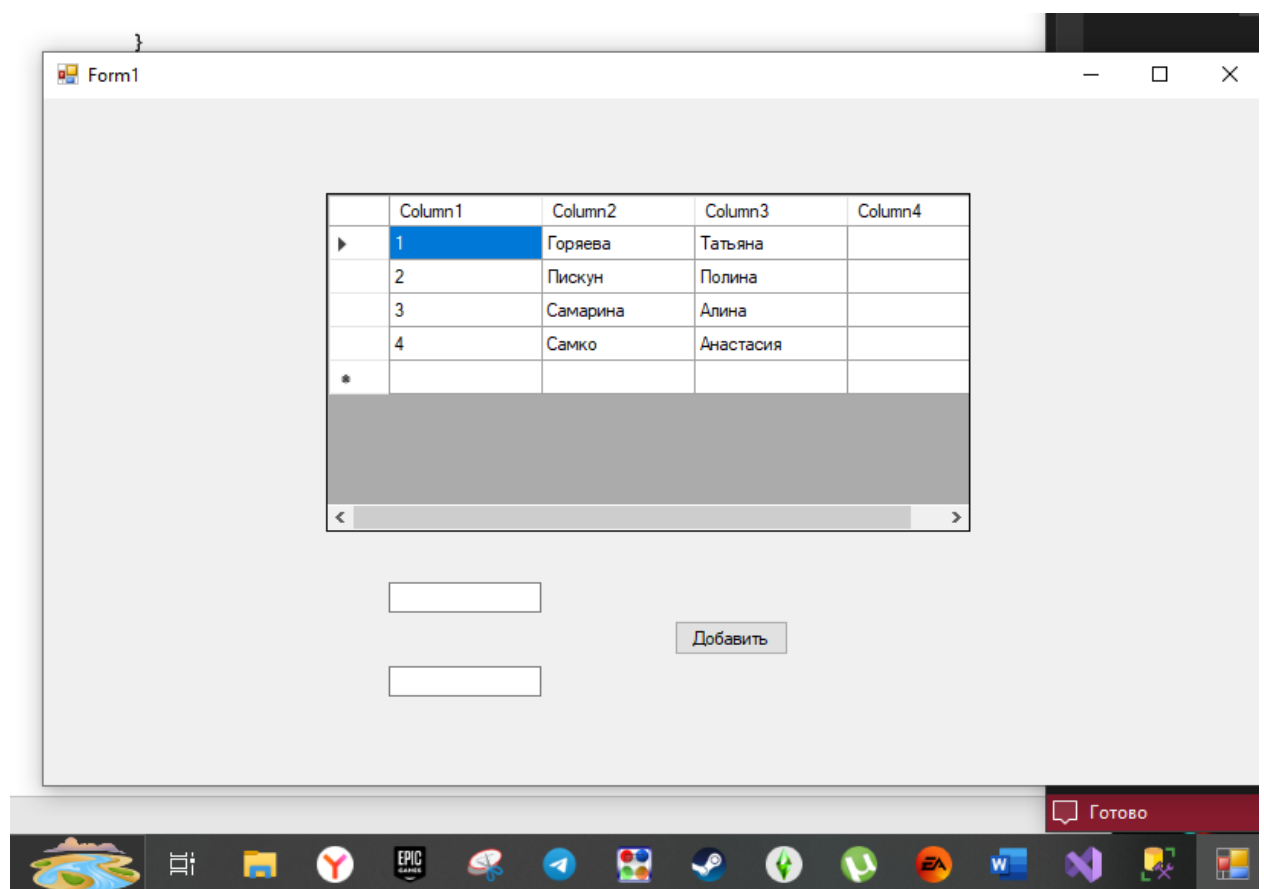
```

        // Получаем последний добавленный идентификатор
        int nowId = Convert.ToInt32(command.ExecuteScalar());

        dataGridview1.Rows.Add(new object[] { nowId, facNameFull, facNameAbbr });
    }
}

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

```



Form1

| | Column1 | Column2 | Column3 | Column4 |
|---|---------|----------|-----------|---------|
| ▶ | 1 | Горяева | Татьяна | |
| | 2 | Пискун | Полина | |
| | 3 | Самарина | Алина | |
| | 4 | Самко | Анастасия | |
| | 1 | ?? | ?? | |
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