

Практика 3:

Код:

```
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;

using static System.ComponentModel.Design.ObjectSelectorEditor;

using static System.Windows.Forms.VisualStyles.VisualStyleElement;

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

        private void LoadData()
        {
            string connectionString = "Data Source = Nikita; Initial Catalog = DataGridView; " +
                "Integrated Security = true; ";

            SqlConnection myConnection = new SqlConnection(connectionString);

            myConnection.Open();

            string query = "SELECT * FROM FacultiesTest2 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["fac_id"].ToString();

    data[data.Count - 1][1] = reader["fac_name_full"].ToString();

    data[data.Count - 1][2] = reader["fac_name_abbr"].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;

    string facNameAbbr = textBox2.Text;

    string connectString = "Data Source = Nikita; Initial Catalog = " +

        "DataGirdView; Integrated Security = true; ";

    using (SqlConnection myConnection = new SqlConnection(connectString))

    {

        myConnection.Open();

        string query = "Insert Into FacultiesTest2 (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 nowId = Convert.ToInt32(command.ExecuteScalar());

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

        }

    }

    textBox1.Clear();

    textBox2.Clear();

}

private void Form1_Load(object sender, EventArgs e)

{ }

}

}

```

Результат:

Form1

	fac_id	fac_name_full	fac_name_abbr
	1	kj	kj
	2	tw	gfsd
	3	wqt	asg
▶▶			

Добавить

SQLQuery3.sql - NIK... (NIK...A\stestn (35))

```
SELECT TOP (1000) [fac_id]
, [fac_name_full]
, [fac_name_abbr]
FROM [DataGirdView].[dbo].[FacultiesTest2]
```

100 %

Results Messages

	fac_id	fac_name_full	fac_name_abbr
1	1	kj	kj
2	2	tw	gfsd
3	3	wqt	asg