

Дем экзамен 1 задание – Ключникова

Код для SQL:

```
CREATE TABLE test_db(  
id int IDENTITY(1,1) NOT NULL,  
type_of varchar(50) NOT NULL,  
count_of int NOT NULL,  
postavka varchar(50) NOT NULL,  
price int NOT NULL  
);
```

```
INSERT INTO test_db (type_of,count_of,postavka,price) VALUES  
(('Протеин',100,'Поставщик 1 Влад',2500))
```

Код для класса:

```
using System;  
using System.Collections.Generic;  
using System.Data.SqlClient;  
using System.Linq;  
using System.Text;  
using System.Threading.Tasks;  
  
namespace demka1  
{  
    internal class DataBase  
    {  
        SqlConnection sqlConnection = new SqlConnection(@"Data Source =  
DESKTOP-2I7BPD1;Initial Catalog = test;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; }  
    }  
}
```

Код для формы:

```
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 demka1
{
    public partial class Form1 : Form
    {
        DataBase database = new DataBase();
        public Form1()
        {
            InitializeComponent();
            LoadData();
        }

        private void LoadData()
        {
            try
            {
                database.openConnection();
                SqlConnection conn = database.GetConnection();

                string query = "SELECT * FROM test_dbbb";
                SqlDataAdapter adapter = new SqlDataAdapter(query, conn);
                DataTable dataTable = new DataTable();
                adapter.Fill(dataTable);

                if (dataTable.Rows.Count == 0)
                {
                    MessageBox.Show("Таблица пуста");
                }
                else
                {
                    dataGridView1.DataSource = dataTable;
                    dataGridView1.Refresh();
                }
            }
            catch (Exception ex)
            {

```

```

        MessageBox.Show("Ошибка при загрузке данных: " +
ex.Message);
    }
    finally
    {
        database.closeConnection();
    }
}

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

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

```

