Дем экзамен 1 задание – Ключникова

Код для SQL:
```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:
```csharp
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 =
WIN-YUP7LIUENKV;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:
```csharp
using System;
using System.Collections.Generic;
```

```csharp
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)
            {
```

```csharp
                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)
        {
        }
    }
}
```