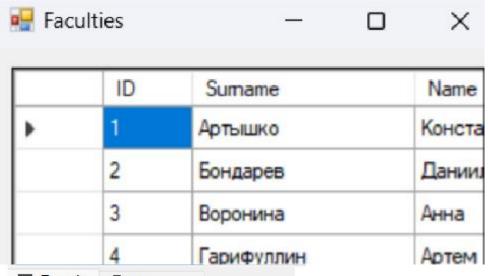
```
□ CREATE TABLE test db(
        id int IDENTITY(1,1) NOT NULL,
       type_of varchar(50) NOT NULL,
       count_of int NOT NULL,
        postavka varchar(50) NOT NULL,
       price int NOT NULL
INSERT INTO test db (type of,count of,postavka,price) VALUES ('Протеин',100,'Поставщик 1 Влад',2500)
    nternal class DataBase
      SqlConnection sqlConnection = new SqlConnection(@"Data Source = DESKTOP-2HL4ATJ;Initial Catalog = test_db;Integrated Security = True");
        if (sqlConnection.State == System.Data.ConnectionState.Closed) { sqlConnection.Open(); }
        if (sqlConnection.State == System.Data.ConnectionState.Open) { sqlConnection.Close(); }
      public SqlConnection getConnection() { return sqlConnection; }
using System;
 using System.Collections.Generic;
 using System.ComponentModel;
 using System.Data;
 using System.Drawing;
 using System.Linq;
 using System.Text;
 using System.Threading.Tasks;
 using System.Windows.Forms;
namespace ConnectingSQL
      public partial class Form1 : Form
           DataBase database = new DataBase();
           public Form1()
           {
                InitializeComponent();
```

```
using System;
        using System.Collections.Generic;
        using System.Windows.Forms;
        using System.Data.SqlClient;
                 tic System Windows Forms VisualStyles VisualStyleElement;
        using WindowsFormsAppl;

    namespace Formsy

                 public Faculties()
                     InitializeComponent();
                 private void Faculties_Load(object sender, EventArgs e)
                     DataBase database = new DataBase(2);
20
21
                     database.openConnection();
                     string query = "select * from Faculties order by st_id";
SqlCommand command = new SqlCommand(query, database.getConnection());
22
23
                     SqlDataReader reader = command.ExecuteReader();
24
25
                     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();
                     database closeConnection();
37
38
                     foreach (string[] s in data)
39
40
41
42
                         dataGridView1 Rows Add(s);
                private void button2_Click(object sender, EventArgs e)
                     Form1 form = new Form1();
                     form.ShowDialog();
                     this.Hide();
48
49
                 private void buttonl_Click(object sender, EventArgs e)
                     DataBase database = new DataBase(2);
                     string surname = textBox1.Text;
                     string name = textBox2.Text;
                     database.openConnection():
                     var table = new System.Data.DataTable();
                     string querystring = "select * from Faculties";
SqlCommand command = new SqlCommand(querystring, database.getConnection());
                     SqlDataAdapter adapter = new SqlDataAdapter(command);
                     adapter.Fill(table);
64
65
                     int id = table Rows Count + 1;
66
67
68
69
                     if (command.ExecuteNonQuery() == 1)
                         dataGridViewl.Rows.Add(new object[] { id, surname, name });
                         textBox1.Clear();
                         textBox2 Clear();
```



⊞ Results Messages st_id st_surname st_name 1 Константин 1 Артышко 2 Бондарев Даниил 3 3 Воронина Анна 4 4 Гарифуллин Артем

```
using System.Data.SqlClient;

anamespace Formsy

formore:

SqlConnection sglConnection = new SqlConnection(@"Data Source=(localdb)\Local;Initial Catalog=Praktika;Integrated Security=True");

Common::

public void openConnection()

fif (sqlConnection.State == System.Data.ConnectionState.Closed)

figure for sqlConnection.Open();

fif (sqlConnection.Open();

}

Common::

public void closeConnection()

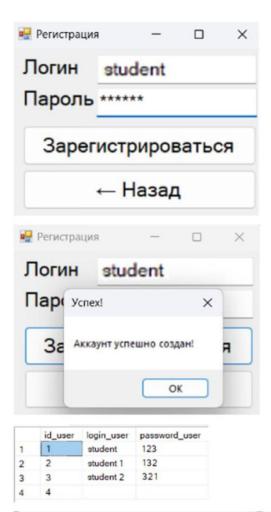
fif (sqlConnection.State == System.Data.ConnectionState.Open)

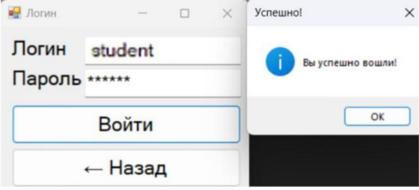
figure for sqlConnection.State == System.Data.ConnectionState.Open)
```

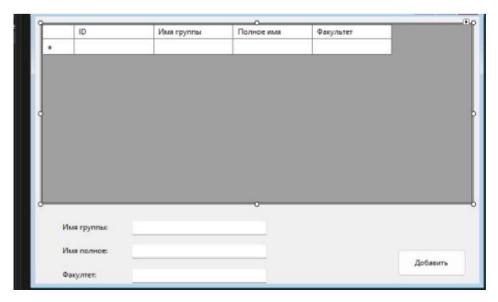
```
v using System;
using System.Data;
using System.Data.SqlClient;
using System.Windows.Forms;
using System.Windows.Forms.VisualStyles.VisualStyleElement;
using WindowsFormsAppl;

    namespace Formsy

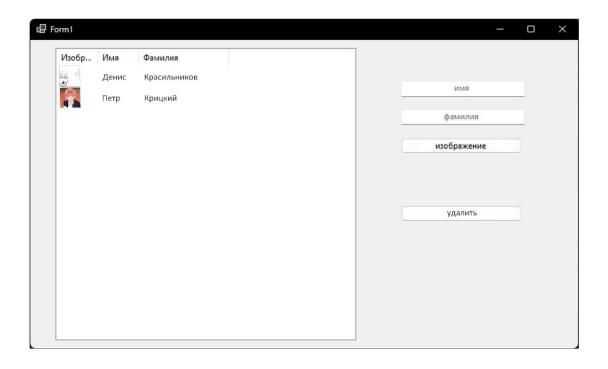
              public partial class Registration : Form
                     Counce: 0
public Registration()
[
                          InitializeComponent();
                     DataBase database = new DataBase();
war login = textBox1.Text;
war password = textBox2.Text;
                           if (!userExists(login, password))
                               string queryString = $"insert into register(login_user, password_user) values ('{login}', '{password}');";
SqlCommand command = new SqlCommand(queryString, database.getConnection());
                                database.openConnection();
                                if (command.ExecuteNonQuery() = 1)
                                      MessageBox.Show("Аккаунт успешно создан!", "Успех!");
Forel forel = new Forel();
forel.ShowOialog();
                                      this.Hide();
                                else
                                      MessageBox.Show("Аккаунт не создан!", "Ошибка!");
                                database.closeConnection();
                     Counce:1 private Boolean userExists(string login, string password) {
                           DataBase database = new DataBase();
                           SqlDataAdapter adapter = new SqlDataAdapter();
                           DataTable table = new DataTable();
                          string queryString = $"select id_user, login_user from register where login_user = '{login}';";
SqlCommand command = new SqlCommand(queryString, database.getConnection());
adapter.SelectCommand = command;
                          adapter.Fill(table);
                           if (table.Rows.Count > 0)
                                MessageBox.Show("Аккаунт уже существует!");
                          return false;
                     private void Registration_Load(object sender, EventArgs e) \mathfrak t
                          textBox2.PasswordChar = '*';
textBox1.MaxLength = 50;
textBox2.MaxLength = 50;
                     private void button2_Click(object sender, EventArgs e)
{
73
74
75
76
77
78
79
                          Form1 form1 = new Form1();
form1.ShowDialog();
                           this.Hide();
```



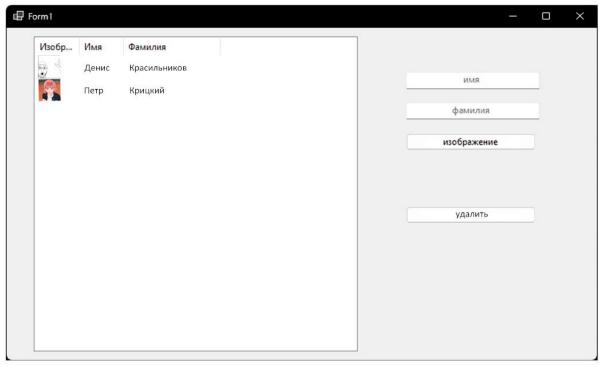




```
System.Windows.Forms.VisualStyles.VisualStyleElement
         using System.Drawing;
using System.Windows.Forms;
         namespace prakt
              public partial class Form1 : Form
                   private string selectedImagePath = null;
                   Ссылок: 0 public Form1()
                       InitializeComponent();
LoadData();
                       listView1 MouseDown += ListView1_MouseClick;
btnAdd.Click += AddRow;
btnSelect.Click += SelectImage;
                   CCBMORT private void AddRow(object sender, EventArgs e)
21
22
23
24
25
26
27
                        if (string.IsNullOrWhiteSpace(tbFirstName.Text) || string.IsNullOrWhiteSpace(tbLastName.Text))
{
                             MessageBox.Show("не указано имя или фамилия", "ошибка", MessageBoxButtons.OK, MessageBoxIcon.Warning); return;
28
29
30
31
32
33
34
                        ImageList imageList = listView1.SmallImageList ?? new ImageList { ImageSize = new Size(30, 30) };
                        int imageIndex = imageList.Images.Count;
                        if (!string.IsNullOrEmpty(selectedImagePath) && File.Exists(selectedImagePath))
                             imageList.Images.Add(Image.FromFile(selectedImagePath));
                             Bitmap emptyImage = new Bitmap(30, 30);
using (Graphics gr = Graphics.FromImage(emptyImage))
40
41
                                  gr.Clear(Color.White);
                             imageList.Images.Add(emptyImage);
45
46
                        listView1.SmallImageList = imageList;
                        ListViewItem item = new ListViewItem(new string[] { "", tbFirstName.Text, tbLastName.Text })
                             ImageIndex = imageIndex
                        };
listView1.Items.Add(item);
                        tbFirstName.Clear();
tbLastName.Clear();
selectedImagePath = null;
```



```
скылокі
private void SelectImage(object sender, EventArgs e)
{
                           using (OpenFileDialog openFileDialog = new OpenFileDialog
                                Title = "Выберите изображение",
Filter = "Изображения (*.jpg; *.jpeg; *.png)|*.jpg;*.jpeg;*.png",
Multiselect = false
                           1)
                                if (openFileDialog.ShowDialog() == DialogResult.OK)
                                     selectedImagePath = openFileDialog.FileName;
                     Ссылок:1
private void LoadData()
                           listView1.Items.Clear();
                           ImageList imageList = new ImageList { ImageSize = new Size(30, 30) };
                          imageList.Images.Add(new Bitmap("1.jpg"));
imageList.Images.Add(new Bitmap("2.jpg"));
imageList.Images.Add(new Bitmap("3.jpg"));
                          Bitmap emptyImage = new Bitmap(30, 30);
using (Graphics gr = Graphics.FromImage(emptyImage))
                                gr.Clear(Color.White);
                           imageList.Images.Add(emptyImage);
                          listView1.SmallImageList = imageList;
                          string[] firstNames = { "1", "2", "3" };
string[] lastNames = { "a", "b", "c" };
                           for (int i = 0; i < firstNames.Length; i++)
                                ListViewItem listViewItem = new ListViewItem(new string[] { "", firstNames[i], lastNames[i] })
                                     ImageIndex = i
                                listView1.Items.Add(listViewItem);
103
                     private void ListView1_MouseClick(object sender, MouseEventArgs e)
{
106
107
                          ListViewItem item = listView1.GetItemAt(e.X, e.Y); if (item != null && MessageBox.Show("удалить?", MessageBoxButtons.YesNo) == DialogResult.Yes)
108
109
                                listView1.Items.Remove(item);
```



```
using System.Net;
using System.Windows.Forms;
      namespace prip
        {
             public partial class Form1 : Form
                 public Form1()
                     InitializeComponent();
                     string Host = Dns.GetHostName();
12
13
                      string Ip = Dns.GetHostEntry(Host).AddressList[0].ToString();
14
                      host.Text = Host;
15
                      ip.Text = Ip;
16
17
18
19
```

