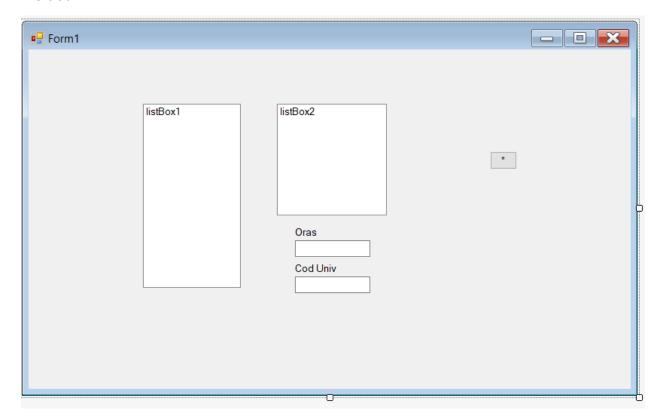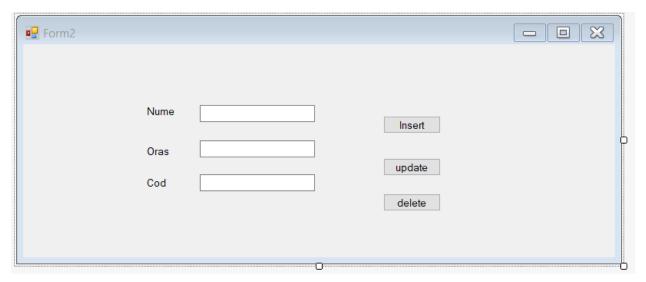Exercitiul 1

Butonul " * " deschide o fereastra secundara care perminte Inserarea , Updatul si Stergerea.

////COD Form1////
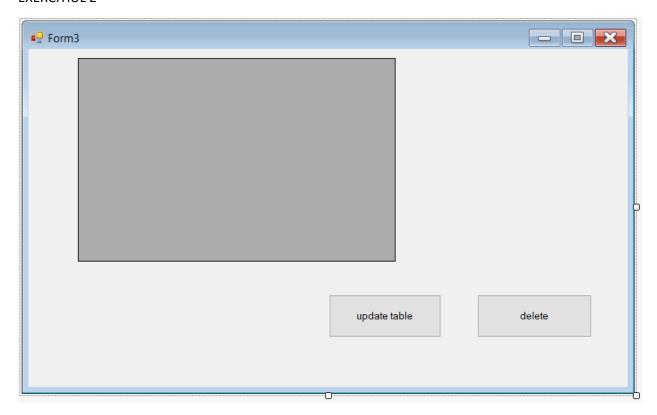
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
```

```csharp
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace BAZA_DATE
{
    public partial class Form1 : Form
    {

        SqlConnection conn= new SqlConnection();
        DataSet dsUni;
        DataSet dsFac;

        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            conn.ConnectionString = @"Data Source = (LocalDB)\MSSQLLocalDB;
AttachDbFilename = C:\Users\Asus\Desktop\II\lab3\BAZA_DATE\Database1.mdf; Integrated
Security = True";
            conn.Open();
            dsUni = new DataSet();
            dsFac = new DataSet();

            SqlDataAdapter dsUni_ad = new SqlDataAdapter("SELECT * FROM
Universitate", conn);
            dsUni_ad.Fill(dsUni, "Universitate");

            SqlDataAdapter dsFac_ad = new SqlDataAdapter("SELECT * FROM Facultati",
conn);
            dsFac_ad.Fill(dsFac, "Facultati");

            foreach (DataRow dr in dsUni.Tables["Universitate"].Rows)
            {
                String Name = dr.ItemArray.GetValue(1).ToString();
                listBox1.Items.Add(Name);
            }
            conn.Close();
        }

        private void listBox1_SelectedIndexChanged(object sender, EventArgs e)
        {
            listBox2.Items.Clear();
            textBox1.Clear();
            int code = 0;
            String Uni_selected = listBox1.SelectedItem.ToString();
            foreach (DataRow dr in dsUni.Tables["Universitate"].Rows)
            {
                if (Uni_selected == dr.ItemArray.GetValue(1).ToString())
                {
                    textBox1.Text = dr.ItemArray.GetValue(2).ToString();
                    code= Convert.ToInt16(dr.ItemArray.GetValue(3));
                    MessageBox.Show(code.ToString());
                    textBox2.Text=code.ToString();
```
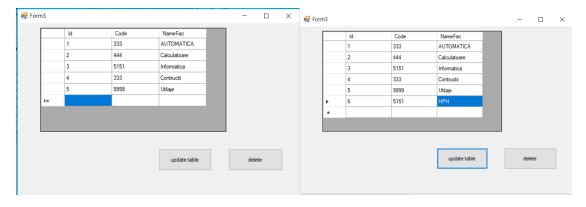
```csharp
                }
            }
            foreach (DataRow dr in dsFac.Tables["Facultati"].Rows)
            {
                if (code == Convert.ToInt16(dr.ItemArray.GetValue(1)))
                {
                    String name = dr.ItemArray.GetValue(2).ToString();
                    listBox2.Items.Add(name);
                }
            }
        }

        private void button1_Click(object sender, EventArgs e)
        {
            Form2 ff = new Form2();
            ff.ShowDialog();


        }
    }
}

////Code Form2////

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;
using System.Data.SqlClient;

namespace BAZA_DATE
{
    public partial class Form2 : Form
    {
        SqlConnection conn = new SqlConnection();
        DataSet dsUni;
        DataSet dsFac;
        SqlDataAdapter dsUni_ad;
        public Form2()
        {
            InitializeComponent();
        }

        private void Form2_Load(object sender, EventArgs e)
        {
            conn.ConnectionString = @"Data Source = (LocalDB)\MSSQLLocalDB;
AttachDbFilename = C:\Users\Asus\Desktop\II\lab3\BAZA_DATE\Database1.mdf; Integrated
Security = True";
            conn.Open();
            dsUni = new DataSet();
            dsFac = new DataSet();

            dsUni_ad = new SqlDataAdapter("SELECT * FROM Universitate", conn);
```

```csharp
            dsUni_ad.Fill(dsUni, "Universitate");
            conn.Close();


        }

        private void button1_Click(object sender, EventArgs e)
        {
            conn.Open();
            string s1 = textBox1.Text;
            string s2= textBox2.Text;
            int s3= Convert.ToInt16(textBox3.Text);
            dsUni_ad = new SqlDataAdapter("INSERT INTO
Universitate(NameUniv,City,Code) VALUES ('"+s1 +"','"+s2 +"','"+s3+"')", conn);
            dsUni_ad.Fill(dsUni, "Universitate");
            dsUni_ad.Update(dsUni, "Universitate");
            conn.Close();
            dsUni_ad.Dispose();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            conn.Open();
            string s1 = textBox1.Text;
            string s2 = textBox2.Text;
            int s3 = Convert.ToInt16(textBox3.Text);
            dsUni_ad = new SqlDataAdapter("UPDATE Universitate SET
NameUniv='"+s1+"',City='"+s2+"' WHERE Code="+s3, conn);
            dsUni_ad.Fill(dsUni, "Universitate");
            dsUni_ad.Update(dsUni, "Universitate");
            conn.Close();
            dsUni_ad.Dispose();
        }

        private void button3_Click(object sender, EventArgs e)
        {
            conn.Open();
            string s1 = textBox1.Text;
            string s2 = textBox2.Text;
            int s3 = Convert.ToInt16(textBox3.Text);
            dsUni_ad = new SqlDataAdapter("DELETE FROM Universitate WHERE Code="+s3,
conn);
            dsUni_ad.Fill(dsUni, "Universitate");
            dsUni_ad.Update(dsUni, "Universitate");
            conn.Close();
            dsUni_ad.Dispose();
        }
    }
}
```
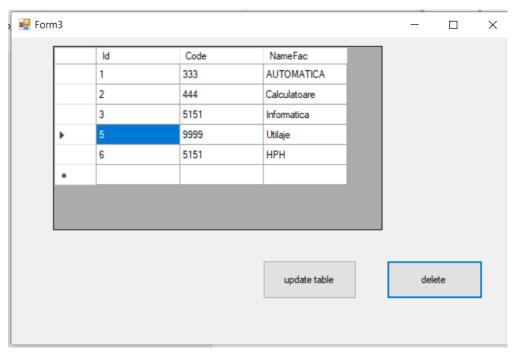
EXERCITIUL 2

-update

Delete : pentru randul 4


```csharp
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;
using System.Data.SqlClient;

namespace BAZA_DATE
{
    public partial class Form3 : Form
    {
        SqlConnection conn = new SqlConnection();

        DataSet dsFac;

        SqlDataAdapter dsFac_ad;
        public Form3()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            conn.Open();

            SqlCommandBuilder sda= new SqlCommandBuilder(dsFac_ad);
            dsFac_ad.Update(dsFac.Tables["Facultati"]);
```

```csharp
            conn.Close();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            conn.Open();

            SqlCommandBuilder sda = new SqlCommandBuilder(dsFac_ad);
            foreach (DataGridViewRow row in dataGridView1.SelectedRows) {
                dataGridView1.Rows.RemoveAt(row.Index);
            }
            dsFac_ad.Update(dsFac.Tables["Facultati"]);
            conn.Close();
        }

        private void Form3_Load(object sender, EventArgs e)
        {
            conn.ConnectionString = @"Data Source = (LocalDB)\MSSQLLocalDB;
AttachDbFilename = C:\Users\Asus\Desktop\II\lab3\BAZA_DATE\Database1.mdf; Integrated
Security = True";
            conn.Open();

            dsFac = new DataSet();
            dsFac_ad = new SqlDataAdapter("SELECT * FROM Facultati", conn);
            dsFac_ad.Fill(dsFac, "Facultati");
            dataGridView1.DataSource= dsFac.Tables["Facultati"];


            conn.Close();
        }
    }
}
```