

تمرین

برنامه بنویسید که شماره دانشجو و نام دانشجو و نام خانوادگی دانشجو را از طریق فرم ورودی دریافت کند و در یک پایگاه داده مثل SQL server ذخیره کند

مراحل انجام پروژه

1- ایجاد فرم مانند شکل زیر

The screenshot shows a Windows application window titled "Form1". Inside the window, there is a form with three input fields on the right side, labeled "کد دانشجو" (Student ID), "نام" (Name), and "نام خانوادگی" (Family Name). To the left of these fields are three buttons: "ذخیره" (Save), "ویرایش" (Edit), and "جستجو" (Search). Below the input fields, there is a table with three columns: "شماره دانشجو" (Student ID), "نام دانشجو" (Student Name), and "نام خانوادگی" (Family Name). The table has a header row and one data row with an asterisk in the last column. The table is currently empty of data.

2- ایجاد پایگاه داده در SQLserver

نام پایگاه داده student

نام جدول مربوطه info

فیلد اول codeid اندازه 10 نوع داده char

فیلد دوم fname اندازه 20 نوع داده char

فیلد سوم lname اندازه 30 نوع داده char

```
private void button1_Click_1(object sender, EventArgs e)
{
    string conetionString;
    SqlConnection cnn;
    conetionString = @"Data Source=DESKTOP-
LK44MJ2;Initial Catalog=student;Integrated Security=True";
    cnn = new SqlConnection(conetionString);
    cnn.Open();
    SqlCommand sc;
    SqlDataAdapter sda = new SqlDataAdapter();
    string codeid = "";
    string fname = "";
    string lname = "";
    codeid = textBox1.Text;
    fname = textBox2.Text;
    lname = textBox3.Text;
    string sqlstr = "insert into info(codeid,fname,lname)
values ('" + codeid + "','" + fname + "','" + lname + "')";
    sc = new SqlCommand(sqlstr, cnn);
    sda.InsertCommand = new SqlCommand(sqlstr, cnn);
    sda.InsertCommand.ExecuteNonQuery();
    sda.Dispose();

    MessageBox.Show("شد ذخیره ها داده!");
    cnn.Close();
}
```

```
private void button3_Click_1(object sender, EventArgs e)
{
    string connetionString;
    SqlConnection cnn;
    connetionString = @"Data Source=DESKTOP-
LK44MJ2;Initial Catalog=student;Integrated Security=True";
    cnn = new SqlConnection(connetionString);
    cnn.Open();
    SqlCommand sc;
    SqlDataAdapter sda = new SqlDataAdapter();
    string codeid = "";
    string fname = "";
    string lname = "";
    codeid = textBox1.Text;
    fname = textBox2.Text;
    lname = textBox3.Text;
    string sqlstr = "UPDATE info SET fname='" + fname +
    "',lname='" + lname + "' WHERE codeid='" + codeid + "'";
    sc = new SqlCommand(sqlstr, cnn);
    sda.InsertCommand = new SqlCommand(sqlstr, cnn);
    sda.InsertCommand.ExecuteNonQuery();
    sda.Dispose();

    MessageBox.Show("شد ذخیره ها داده!");
    cnn.Close();

    DataSet ds2 = new DataSet();
    ds2.Clear();
    string sqlstr2 = "select codeid,fname,lname from
info";

    SqlDataAdapter da2 = new SqlDataAdapter(sqlstr2, cnn);
    da2.Fill(ds2, "info");
    dataGridView1.DataBindings.Clear();
    dataGridView1.DataSource = ds2.Tables["info"];
}
```

```
private void button2_Click_1(object sender, EventArgs e)
{
    string connetionString;
    SqlConnection cnn;
    connetionString = @"Data Source=DESKTOP-
LK44MJ2;Initial Catalog=student;Integrated
Security=True";
    cnn = new SqlConnection(connetionString);
    cnn.Open();
    string sqlstr = "select codeid,fname,lname
from info where codeid='" + textBox1.Text + "'";
    SqlDataAdapter da = new
SqlDataAdapter(sqlstr, cnn);
    DataSet ds = new DataSet();
    ds.Clear();
    da.Fill(ds, "info");
    textBox2.DataBindings.Clear();
    textBox3.DataBindings.Clear();
    textBox2.DataBindings.Add(new Binding("text",
ds, "info.fname"));
    textBox3.DataBindings.Add(new Binding("text",
ds, "info.lname"));
    DataSet ds2 = new DataSet();
    ds2.Clear();
    string sqlstr2 = "select codeid,fname,lname
from info";
    SqlDataAdapter da2 = new
SqlDataAdapter(sqlstr2, cnn);
    da2.Fill(ds2, "info");
    dataGridView1.DataBindings.Clear();
}
```

```
        dataGridView1.DataSource =  
ds2.Tables["info"];  
    }
```