

Form1

Student Roll No

Student Name

Gender ☐ Male ☐ Female

Hobbies ☐ Music ☐ Travelling

City

DOB

Activate Windows  
Go to Settings to activate Windows.

```

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 ADO_2nd_example
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        string st = "server= DESKTOP-1GU2RS7\\SQLEXPRESS;integrated
security=true;database=mkpit_sample1;";
        SqlConnection conn = null;
        SqlCommand comm = null;

        private void button1_Click(object sender, EventArgs e)
        {
            try

```

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{
    string gender = null, hobby = null;
    if (radioButton1.Checked == true)
        gender = radioButton1.Text;
    else if (radioButton2.Checked == true)
        gender = radioButton2.Text;

    if (checkBox1.Checked)
        hobby = checkBox1.Text;
    if (checkBox2.Checked)
        hobby += " " + checkBox2.Text;

    conn = new SqlConnection(st);
    string ins1 = "insert into students values('" + textBox1.Text + "', '" +
textBox2.Text + "', '" + gender + "', '" + hobby + "', '" + comboBox1.Text + "', '" +
+dateTimePicker1.Text + "')";
    comm = new SqlCommand(ins1, conn);
    conn.Open();
    comm.ExecuteNonQuery();
    textBox1.Clear();
    textBox2.Clear();
    textBox1.Focus();
    MessageBox.Show("Record saved, succesfully!");
}
catch (Exception ee)
{
    MessageBox.Show(ee.ToString());
}
finally
{
    conn.Close();
}
}

private void button2_Click(object sender, EventArgs e)
{
    try
    {
        string gender = null, hobby = null;
        if (radioButton1.Checked == true)
            gender = radioButton1.Text;
        else if (radioButton2.Checked == true)
            gender = radioButton2.Text;

        if (checkBox1.Checked)
            hobby = checkBox1.Text;
        if (checkBox2.Checked)
            hobby += " " + checkBox2.Text;

        conn = new SqlConnection(st);
        string up1 = "update students set stud_name='" + textBox2.Text +
"',gender='" + gender + "',hobby='" + hobby + "',city='" + comboBox1.Text +
"',dob='" + dateTimePicker1.Text + "' where stud_id='" + textBox1.Text + "'";
        comm = new SqlCommand(up1, conn);
        conn.Open();
        comm.ExecuteNonQuery();
        textBox1.Clear();
    }
}

```

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        textBox2.Clear();
        textBox1.Focus();
        MessageBox.Show("Record Updated, succesfully!");
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        conn.Close();
    }
}

private void button3_Click(object sender, EventArgs e)
{
    try
    {
        conn = new SqlConnection(st);
        string del1 = "delete from students where stud_id='" + textBox1.Text
+ "'";

        comm = new SqlCommand(del1, conn);
        conn.Open();
        comm.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox1.Focus();
        MessageBox.Show("Record deleted, succesfully!");
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        conn.Close();
    }
}

private void button4_Click(object sender, EventArgs e)
{
    try
    {
        int flag = 0;
        conn = new SqlConnection(st);
        string ser1 = "select * from students where
stud_id='"+textBox1.Text+"'";
        comm = new SqlCommand(ser1, conn);
        conn.Open();
        SqlDataReader dr = comm.ExecuteReader();

        checkBox1.Checked = false;
        checkBox2.Checked = false;
        while(dr.Read())

```

```

{
    flag = 1;
    textBox2.Text = dr["stud_name"].ToString();

    string gen = dr["gender"].ToString();
    if (gen == "Male")
        radioButton1.Checked = true;
    else if (gen == "Female")
        radioButton2.Checked = true;
    string hobby = dr["hobby"].ToString();
    if(hobby == "Music")
    {
        checkBox1.Checked = true;
    }
    else if(hobby == "Travelling")
    {
        checkBox2.Checked = true;
    }
    else if(hobby == "Music" && hobby == "Travelling")
    {
        checkBox1.Checked = true;
        checkBox2.Checked = true;
    }

    comboBox1.Text = dr["city"].ToString();
    dateTimePicker1.Text = dr["dob"].ToString();

}
dr.Close();
if (flag==0)
{
    MessageBox.Show("Record not Found");
}

}
catch (Exception ee)
{
    MessageBox.Show(ee.ToString());
}
finally
{
    conn.Close();
}
}
}
}

```