

Program4-Program of student registration form.

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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_student_registration_form
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();

            private void dateTimePicker1_ValueChanged(object sender, EventArgs e)
            {
            }

            string str = "server=HP-LAPTOP\\SQLEXPRESS;integrated
security=true;database=mkpsample";
            SqlConnection con = null;
            SqlCommand command = null;

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

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

                    string hobby = null;
                    if (checkBox1.Checked)
                        hobby = checkBox1.Text;
                    if (checkBox2.Checked)
                        hobby += " " + checkBox2.Text;
                    con = new SqlConnection(str);

                    string qr = "insert into student(rno,studname,gender,hobby,city,dob)
values('" + textBox1.Text + "','" + textBox2.Text + "','" + gender + "','" + hobby +
 "','" + comboBox1.Text + "','" + dateTimePicker1.Text + "')";
                    command = new SqlCommand(qr, con);
                    con.Open();
                    command.ExecuteNonQuery();
                    textBox1.Clear();
                    textBox2.Clear();
                }
            }
        }
    }
}
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        textBox1.Focus();
        label8.Text = "Record saved successfully";
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        con.Close();
    }
}

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

        string hobby = null;
        if (checkBox1.Checked)
            hobby = checkBox1.Text;
        if (checkBox2.Checked)
            hobby += " " + checkBox2.Text;
        con = new SqlConnection(str);

        string qr = "update student set studname='" + textBox2.Text +
            "',gender='" + gender + "',hobby='" + hobby + "',city='" + comboBox1.Text +
            "',dob='" + dateTimePicker1.Text + "' where rno='" + textBox1.Text + "'";
        command = new SqlCommand(qr, con);
        con.Open();
        command.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox1.Focus();
        label8.Text = "Record updated successfully";
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        con.Close();
    }
}

private void button3_Click(object sender, EventArgs e)
{
    try
    {
        con = new SqlConnection(str);

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        string qr = "delete from student where rno='" + textBox1.Text + "'
or studname='" + textBox2.Text + "' ";
        command = new SqlCommand(qr, con);
        con.Open();
        command.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox1.Focus();
        label8.Text = "Record deleted successfully";
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        con.Close();
    }
}

private void button4_Click(object sender, EventArgs e)
{
    try
    {
        con = new SqlConnection(str);
        string qr = "select * from student where rno='" + textBox1.Text + "'

";
        command = new SqlCommand(qr, con);
        con.Open();
        SqlDataReader dr = command.ExecuteReader();
        int flag = 0;
        textBox2.Clear();
        checkBox1.Checked = false;
        checkBox2.Checked = false;
        while (dr.Read())
        {
            flag = 1;
            textBox2.Text = dr["studname"].ToString();
            string gen = dr["gender"].ToString();

            if (gen == "male")
                radioButton1.Checked = true;
            else if (gen == "female")
                radioButton2.Checked = true;

            string hob = dr["hobby"].ToString();
            if (hob == "")
            {
            }
            else if (hob == "music")
            {
                checkBox1.Checked = true;
            }
            else
            {
            }
        }
    }
}

```

Output-

