

Program6- Program of student registration form with parameter.

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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 stud_registrationform_with_parameter
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        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_details(rno,studname,gender,hobby,city,dob)
values(@rno,@studname,@gender,@hobby,@city,@dob)";
                command = new SqlCommand(qr, con);
                command.Parameters.Add("@rno", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
                command.Parameters.Add("@studname", SqlDbType.VarChar, 20).Value =
textBox2.Text;
                command.Parameters.Add("@gender", SqlDbType.VarChar, 20).Value =
gender;
                command.Parameters.Add("@hobby", SqlDbType.VarChar, 20).Value =
hobby;
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        command.Parameters.Add("@city", SqlDbType.VarChar, 20).Value =
comboBox1.Text;
        command.Parameters.Add("@dob", SqlDbType.VarChar, 20).Value =
dateTimePicker1.Text;

        con.Open();
        command.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        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_details set
studname=@studname,gender=@gender,hobby=@hobby,city=@city,dob=@dob where rno=@rno";
        command = new SqlCommand(qr, con);

        command.Parameters.Add("@studname", SqlDbType.VarChar, 20).Value =
textBox2.Text;
        command.Parameters.Add("@gender", SqlDbType.VarChar, 20).Value =
gender;
        command.Parameters.Add("@hobby", SqlDbType.VarChar, 20).Value =
hobby;
        command.Parameters.Add("@city", SqlDbType.VarChar, 20).Value =
comboBox1.Text;
        command.Parameters.Add("@dob", SqlDbType.VarChar, 20).Value =
dateTimePicker1.Text;

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        command.Parameters.Add("@rno", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);

        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);
        string qr = "delete from student_details where rno=@rno or
studname=@studname ";
        command = new SqlCommand(qr, con);
        command.Parameters.Add("@rno", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
        command.Parameters.Add("@studname", SqlDbType.VarChar, 20).Value =
textBox2.Text;
        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

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{
    con = new SqlConnection(str);
    string qr = "select * from student_details where rno=@rno ";
    command = new SqlCommand(qr, con);
    command.Parameters.Add("@rno", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);

    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
        {
            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
{

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        con.Close();
    }
}
}
}
Output-

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