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Program6- Program of student registration form with parameter.
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Ling;
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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Miscellaneous Files

SQLQuery1.sql
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