Program7-create a table products(prodid , prodname, price , quantity)

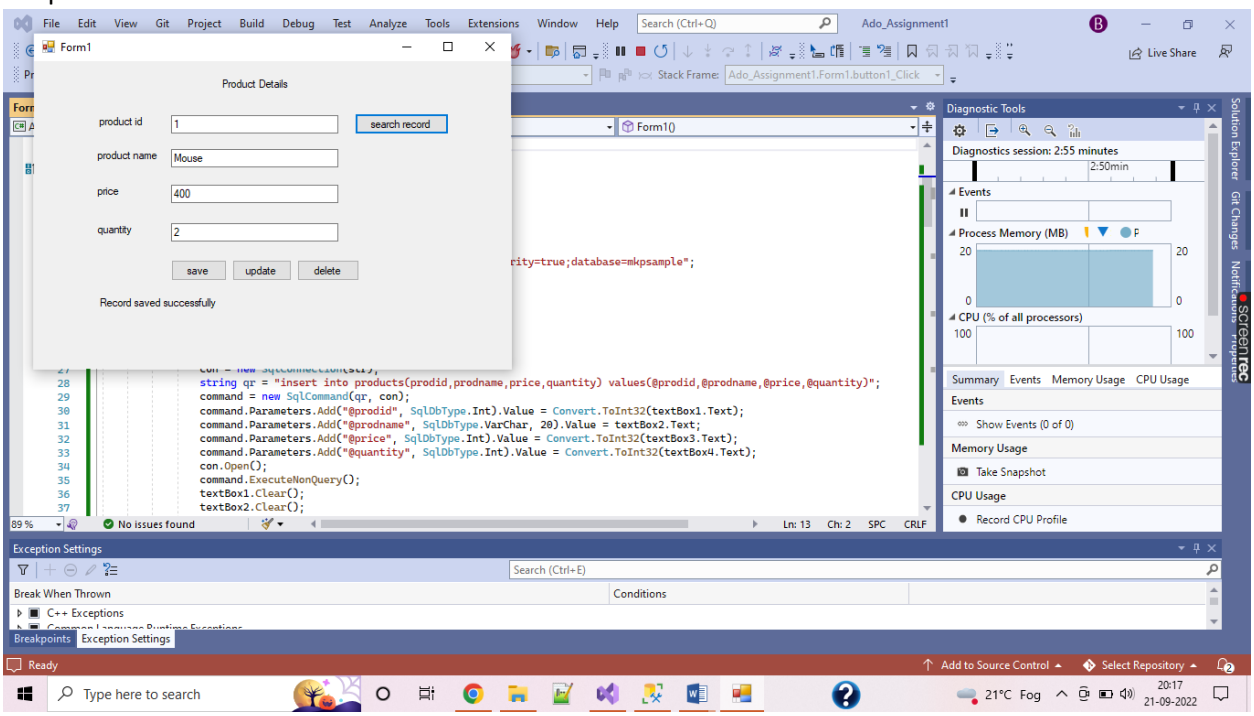
create form to insert , update , delete and search with sqlparameters.

```
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_Assignment1
{
    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
            {
                con = new SqlConnection(str);
                string qr = "insert into products(prodid,prodname,price,quantity)
values(@prodid,@prodname,@price,@quantity)";
                command = new SqlCommand(qr, con);
                command.Parameters.Add("@prodid", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
                command.Parameters.Add("@prodname", SqlDbType.VarChar, 20).Value =
textBox2.Text;
                command.Parameters.Add("@price", SqlDbType.Int).Value =
Convert.ToInt32(textBox3.Text);
                command.Parameters.Add("@quantity", SqlDbType.Int).Value =
Convert.ToInt32(textBox4.Text);
                con.Open();
                command.ExecuteNonQuery();
                textBox1.Clear();
                textBox2.Clear();
                textBox1.Focus();
                label6.Text = "Record saved successfully";
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.ToString());
            }
            finally
            {
                con.Close();
            }
```

```
        }


        private void button2_Click(object sender, EventArgs e)
        {
            try
            {
                con = new SqlConnection(str);
                string qr = "update products set
prodname=@prodname,price=@price,quantity=@quantity where prodid=@prodid";
                command = new SqlCommand(qr, con);
                command.Parameters.Add("@prodname", SqlDbType.VarChar, 20).Value =
textBox2.Text;
                command.Parameters.Add("@price", SqlDbType.Decimal).Value =
Convert.ToInt32(textBox3.Text);
                command.Parameters.Add("@quantity", SqlDbType.Int).Value =
Convert.ToInt32(textBox4.Text);
                command.Parameters.Add("@prodid", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
                con.Open();
                command.ExecuteNonQuery();
                textBox1.Clear();
                textBox2.Clear();
                textBox1.Focus();
                MessageBox.Show("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 products where prodid=@prodid or
prodname=@prodname";
                command = new SqlCommand(qr, con);
                command.Parameters.Add("@prodid", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
                command.Parameters.Add("@prodname", SqlDbType.VarChar, 20).Value =
textBox2.Text;
                con.Open();
                command.ExecuteNonQuery();
                textBox1.Clear();
                textBox2.Clear();
                textBox1.Focus();
                MessageBox.Show("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 products where prodid=@prodid";
                command = new SqlCommand(qr, con);
                command.Parameters.Add("prodid", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
                con.Open();
                SqlDataReader dr = command.ExecuteReader();
                int flag = 0;
                textBox2.Clear();
                while (dr.Read())
                {
                    flag = 1;
                    textBox2.Text = dr["prodname"].ToString();
                    textBox3.Text = dr["price"].ToString();
                    textBox4.Text = dr["quantity"].ToString();
                }
                dr.Close();
                if (flag == 0)
                {
                    MessageBox.Show("Record not found");
                }

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

        }
    }
}
```

Output-


Form1
Product Details
product id
1
search record
product name
Mouse
price
400
quantity
2
save
update
delete
Record saved successfully
Diagnostic Tools
Diagnostics session: 2:55 minutes
Events
Process Memory (MB)
CPU (% of all processors)
Summary
Events
Memory Usage
CPU Usage
Show Events (0 of 0)
Take Snapshot
Record CPU Profile
Exception Settings
Break When Thrown
Conditions
C++ Exceptions
Breakpoints
Exception Settings
Ready
Add to Source Control
Select Repository
Type here to search
21°C Fog
20:17
21-09-2022