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

            string str = "server=.\SQLEXPRESS;integrated
security=true;database=mkp";

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SqlConnection con = null;

SqlCommand command = null;

private void button1_Click(object sender, EventArgs e)
{
    try
    {
        con = new SqlConnection(str);

        string qr = "insert into
products(proid,prname,price,quantity) values(@proid,@prname,@price,
@quantity)";

        command = new SqlCommand(qr, con);

command.Parameters.Add("@proid", SqlDbType.Int).Value=Convert.ToInt32(textBo
x1.Text);

        command.Parameters.Add("@prname", SqlDbType.VarChar,
20).Value = textBox2.Text;

        command.Parameters.Add("@price", SqlDbType.VarChar,
20).Value = textBox3.Text;

        command.Parameters.Add("@quantity", SqlDbType.VarChar,
20).Value = textBox4.Text;

        con.Open();

        command.ExecuteNonQuery();

        textBox1.Clear();

        textBox2.Clear();

        textBox3.Clear();

        textBox4.Clear();

        label5.Text = "record saved successfully";

    }

    catch(Exception ee)
    {

        MessageBox.Show(ee.ToString());
    }
}

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    }

    finally
    {
        con.Close();
    }
}

private void button2_Click(object sender, EventArgs e)
{
    try
    {
        con = new SqlConnection(str);

        string qr = "update products set
praname=@praname,price=@price,quantity=@quantity where proid=@proid";

        command = new SqlCommand(qr, con);

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

        command.Parameters.Add("@praname", SqlDbType.VarChar,
20).Value = textBox2.Text;

        command.Parameters.Add("@price", SqlDbType.VarChar,
20).Value = textBox3.Text;

        command.Parameters.Add("@quantity", SqlDbType.VarChar,
20).Value = textBox4.Text;

        con.Open();

        command.ExecuteNonQuery();

        textBox1.Clear();

        textBox2.Clear();

        textBox1.Focus();

        label5.Text = "record updated successfully";
    }
}

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    }

    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 proid=@proid";

        command = new SqlCommand(qr, con);

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

        command.Parameters.Add("@prname", SqlDbType.VarChar,
20).Value = textBox2.Text;

        command.Parameters.Add("@price", SqlDbType.VarChar,
20).Value = textBox3.Text;

        command.Parameters.Add("@quantity", SqlDbType.VarChar,
20).Value = textBox4.Text;

        con.Open();

        command.ExecuteNonQuery();

        textBox2.Clear();
    }
}

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        textBox3.Clear();

        textBox4.Clear();

        label5.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 products where proid=@proid";

        command = new SqlCommand(qr, con);

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

        //command.Parameters.Add("@prname", SqlDbType.VarChar,
20).Value = textBox2.Text;

        //command.Parameters.Add("@price", SqlDbType.VarChar,
20).Value = textBox3.Text;

        //command.Parameters.Add("@quantity", SqlDbType.VarChar,
20).Value = textBox4.Text;
    }
}

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con.Open();
SqlDataReader dr = command.ExecuteReader();
int flag = 0;
textBox2.Clear();
while (dr.Read())
{
    flag = 1;
    textBox2.Text = dr["prname"].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();
}

```

}  
  
}  
  
}  
  
}