

Product id

Product name

Product Price

Product Quantity

Activate Windows  
Go to Settings to activate Windows.

```

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 Assign_1_Ado
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        string str = "server= DESKTOP-1GU2RS7\\SQLEXPRESS;integrated security=true;
database=mkpit_sample1";
        SqlConnection conn = null;
        SqlCommand comm = null;
        private void button1_Click(object sender, EventArgs e)
        {
            try
            {
                conn = new SqlConnection(str);
            }
        }
    }
}

```

```

        string s1 = "insert into products
values(@prod_id,@prod_name,@prod_price,@prod_quantity)";
        comm = new SqlCommand(s1, conn);
        comm.Parameters.Add("@prod_id",
SqlDbType.Int).Value=Convert.ToInt32(textBox1.Text);
        comm.Parameters.Add("@prod_name", SqlDbType.VarChar,20).Value =
textBox2.Text;
        comm.Parameters.Add("@prod_price", SqlDbType.Int).Value =
Convert.ToInt32(textBox3.Text);
        comm.Parameters.Add("@prod_quantity", SqlDbType.Int).Value =
Convert.ToInt32(textBox4.Text);
        conn.Open();
        comm.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox3.Clear();
        textBox4.Clear();
        textBox1.Focus();
        MessageBox.Show("Records saved, successfully!");
    }
    catch(Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        conn.Close();
    }
}

private void button2_Click(object sender, EventArgs e)
{
    try
    {
        conn = new SqlConnection(str);
        string s1 = "update products set
prod_name=@prod_name,prod_price=@prod_price,prod_quantity=@prod_quantity where
prod_id=@prod_id";
        comm = new SqlCommand(s1, conn);

        comm.Parameters.Add("@prod_name", SqlDbType.VarChar, 20).Value =
textBox2.Text;
        comm.Parameters.Add("@prod_price", SqlDbType.Int).Value =
Convert.ToInt32(textBox3.Text);
        comm.Parameters.Add("@prod_quantity", SqlDbType.Int).Value =
Convert.ToInt32(textBox4.Text);
        comm.Parameters.Add("@prod_id", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
        conn.Open();
        comm.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox3.Clear();
        textBox4.Clear();
        textBox1.Focus();
    }
}

```

```

        MessageBox.Show("Records updated, successfully!");
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        conn.Close();
    }
}

private void button3_Click(object sender, EventArgs e)
{
    try
    {
        conn = new SqlConnection(str);
        string s1 = "delete from products where prod_id=@prod_id";
        comm = new SqlCommand(s1, conn);

        comm.Parameters.Add("@prod_id", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
        conn.Open();
        comm.ExecuteNonQuery();
        textBox1.Clear();
        textBox2.Clear();
        textBox3.Clear();
        textBox4.Clear();
        textBox1.Focus();
        MessageBox.Show("Records deleted, successfully!");
    }
    catch (Exception ee)
    {
        MessageBox.Show(ee.ToString());
    }
    finally
    {
        conn.Close();
    }
}

private void button4_Click(object sender, EventArgs e)
{
    try
    {
        int flag = 0;
        conn = new SqlConnection(str);
        string s1 = "select * from products where prod_id=@prod_id";
        comm = new SqlCommand(s1, conn);
        comm.Parameters.Add("@prod_id", SqlDbType.Int).Value =
Convert.ToInt32(textBox1.Text);
        conn.Open();
        SqlDataReader dr = comm.ExecuteReader();
        while (dr.Read())
        {
            flag = 1;
            textBox2.Text = dr["prod_name"].ToString();

```

```

        textBox3.Text = dr["prod_price"].ToString();
        textBox4.Text = dr["prod_quantity"].ToString();
    }
    dr.Close();
    if(flag==0)
    {
        MessageBox.Show("Records not found");
        textBox1.Clear();
    }
}
catch (Exception ee)
{
    MessageBox.Show(ee.ToString());
}
finally
{
    conn.Close();
}
}
}
}

```