```csharp
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_with_parameter

{

    public partial class Form1 : Form

    {

        public Form1()

        {

            InitializeComponent();

        }

        string str = "server=.\\SQLEXPRESS;integrated
```

```csharp
security=true;database=mkp";

        SqlConnection conn = null;

        SqlCommand cmd = null;

        private void button1_Click(object sender, EventArgs e)

        {

            try

            {

                conn= new SqlConnection(str);

                string qr = "insert into demo1
_with_parameter(username,password)values(@username,@password)";

                cmd = new SqlCommand(qr, conn);

                cmd.Parameters.Add("@username", SqlDbType.VarChar,20).
Value = textBox1.Text;

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


                conn.Open();

                cmd.ExecuteNonQuery();

                textBox1.Clear();

                textBox2.Clear();

                textBox1.Focus();

                MessageBox.Show("updated successfully");

            }

            catch(Exception ee)

            {

                MessageBox.Show(ee.ToString());

            }

            finally

            {

                conn.Close();

            }
```

```csharp
        }


        private void button2_Click(object sender, EventArgs e)

        {

            try

            {

                conn = new SqlConnection(str);

                string qr = "update demo1_with_parameter set
password=@password where username=@username";

                cmd = new SqlCommand(qr, conn);

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

                cmd.Parameters.Add("@username", SqlDbType.VarChar,
20).Value = textBox1.Text;


                conn.Open();


                cmd.ExecuteNonQuery();

                textBox1.Clear();

                textBox2.Clear();

                textBox1.Focus();

                MessageBox.Show("updated successfully");

            }


            catch (Exception ee)

            {

                Console.WriteLine(ee.ToString());

            }

            finally

            {
```

```csharp
            conn.Close();

        }

    }


        private void button3_Click(object sender, EventArgs e)

        {

         try

         {

            conn=new SqlConnection(str);

             string qr = "delete from demo1_with_parameter where
username=@username";

            cmd=new SqlCommand(qr, conn);

cmd.Parameters.Add("@username",SqlDbType.VarChar,20).Value=textBox1.Text;

                conn.Open();

                cmd.ExecuteNonQuery();

                textBox1.Clear();

                textBox2.Clear();

                textBox1.Focus();

                MessageBox.Show("record deleted successfully");

        }

         catch(Exception ee)

         {

            MessageBox.Show(ee.ToString());

        }

         finally

         {

            conn.Close();

        }
```

```csharp
        }

        private void button4_Click(object sender, EventArgs e)
        {
            try
            {
                conn = new SqlConnection(str);
                string qr = "select * from demo1_with_parameter where username=@username";
                cmd = new SqlCommand(qr, conn);
                cmd.Parameters.Add("@username",SqlDbType.VarChar,20).Value = textBox1.Text;


                conn.Open();


            //creating SqlDataReader class object- used to hold record returened from sqlserver database


                SqlDataReader dr = cmd.ExecuteReader();
                int flag=0;
                textBox2.Clear();


                while(dr.Read())
                {
                    flag = 1;
                    textBox2.Text = dr["password"].ToString();
                }
                dr.Close();
                if(flag == 0)
                {
```

```csharp
                    MessageBox.Show("record not found");

                }

            }

            catch(Exception ee)

            {

                MessageBox.Show(ee.ToString());

            }

            finally

            {

                conn.Close();

            }

        }

    }

}
```