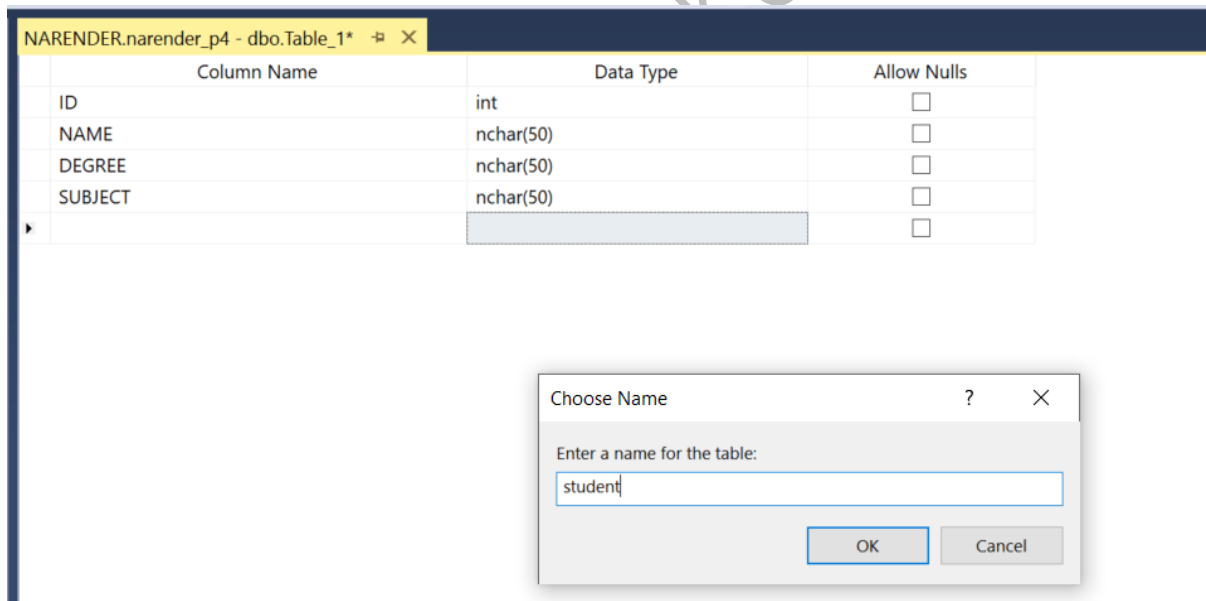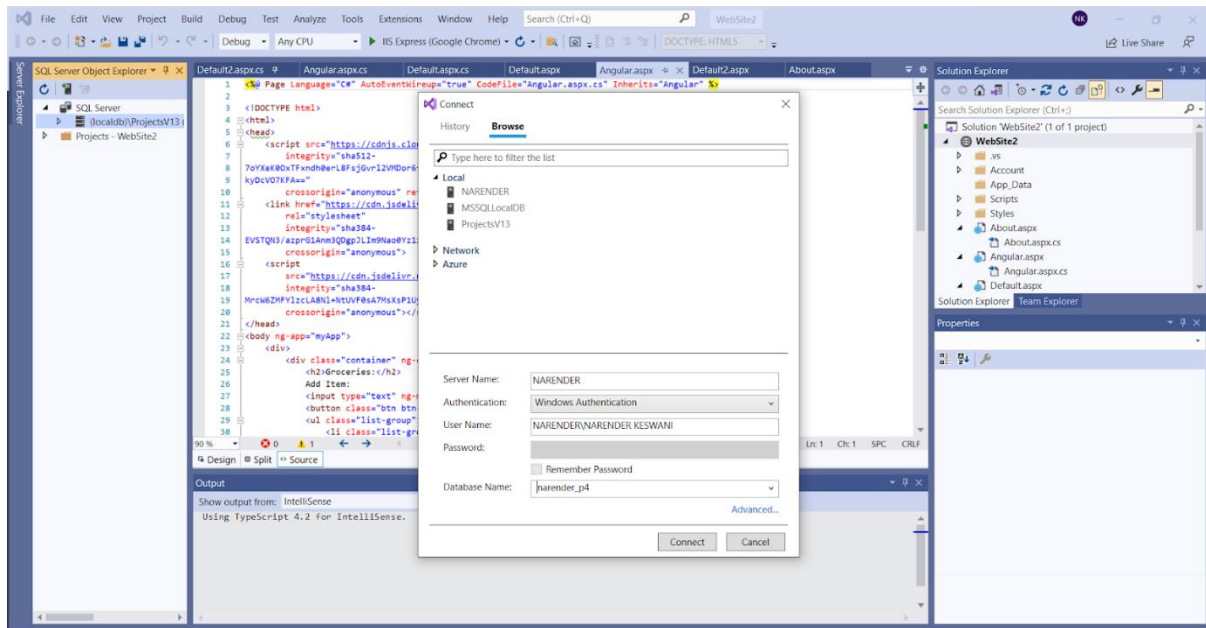## AIM: Design a web page to demonstrate a connection oriented architecture & disconnected architecture.

DB Config:

WebConfig:

```
<connectionStrings>
        <add name="ApplicationServices" connectionString="server=. ;
database=narender_p4; Trusted_Connection=Yes;" providerName="System.Data.SqlClient"/>
    </connectionStrings>
```

A) Design a web page to demonstrate a connection oriented architecture. Fetch Student details from database such as Roll_no, Name, Program(eg. MCA), Course(eg. AWT), etc.

SOURCE CODE:

ConnectedDb.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="ConnectedDB.aspx.cs"
Inherits="ConnectedDB" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server"></head>
<body>
   <form id="form1" runat="server">
     <div class="container">
       <h2>Display Data using Connected Architecture</h2>
       <asp:GridView ID="GridView1" runat="server"></asp:GridView>
     </div>
   </form>
</body>
</html>
```
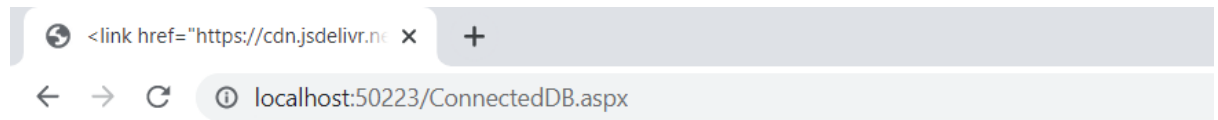
ConnectedDb.aspx.cs:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

public partial class ConnectedDB : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
   {
     string connStr=
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
     SqlConnection con = new SqlConnection(connStr);
     {
       SqlCommand query = new SqlCommand(" select * from student ", con);
       con.Open();
       SqlDataReader rdr = query.ExecuteReader();
       GridView1.DataSource = rdr;
       GridView1.DataBind();
     }
   }
}
```

OUTPUT:

Display Data using Connected Architecture

ID	NAME	DEGREE	SUBJECT
1	Narender	MCA	AWT
2	Neel	Bvoc	JS
3	Parnot	Btech	JAVA

B) **Design a web page to demonstrate a disconnected architecture. Fetch Student details from database such as Roll_no, Name, Program(eg. MCA), Course(eg. AWT), etc.**

SOURCE CODE:

UnConnectedDb.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="UnConnectedDB.aspx.cs"
Inherits="UnConnectedDB" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">
            <h2>Display Data using Disconnected Architecture</h2>
            <asp:GridView ID="GridView1" runat="server"></asp:GridView>
        </div>
    </form>
</body>
</html>
```
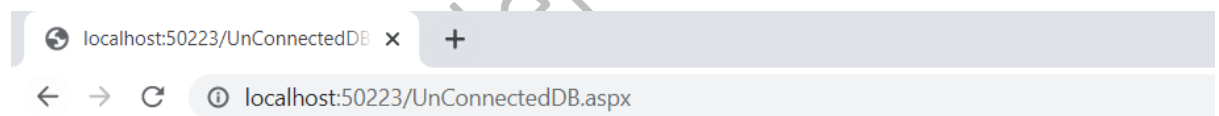
UnConnectedDb.aspx.cs:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
```

```csharp
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

public partial class UnConnectedDB : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        string connStr =
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
        SqlConnection conn = new SqlConnection(connStr);
        {
            string query = "Select * from Student";
            SqlDataAdapter da = new SqlDataAdapter(query, conn);
            DataSet ds = new DataSet();
            da.Fill(ds);
            GridView1.DataSource = ds;
            GridView1.DataBind();
        }
    }
}
```

OUTPUT:

Display Data using Disconnected Architecture

ID	NAME	DEGREE	SUBJECT
1	Narender	MCA	AWT
2	Neel	Bvoc	JS
3	Parnot	Btech	JAVA

CONCLUSION:
From this practical, I have learned how to connect asp.net with database, also learned about connected and disconnected architecture.