

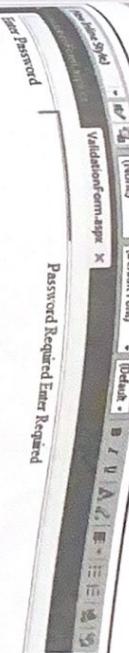
L-4 Working with Form Controls

- Program 4(a) : Create registration form to demonstrate the use of various validation controls

Create the application that accepts name, password ,age , email id, and user id. All the information entry is compulsory. Password should be reconfirmed. Age should be within 21 to 30. Email id should be valid. User id as length should be between 7 and 20 characters.

ValidateControlForm.aspx

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace ValidationControl
{
    public partial class ValidationControlForm : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            protected void CustomValidator1_ServerValidate(object source, ServerValidateEventArgs args)
            {
                string str = args.Value;
                args.IsValid = false;
                if (str.Length < 7 || str.Length > 20)
                {
                    return;
                }
                protected void btnSubmit_Click(object sender, EventArgs e)
                {
                    Response.Write("Submitted");
                }
            }
        }
    }
}
```



Output

localhost:50037/ValidationForm.aspx

User Name	<input type="text"/>	Name Required
User Password	<input type="password"/>	Password Required. Enter Required
Confirm Password	<input type="password"/>	Enter Same Password
User Id	<input type="text"/>	User Id Required. User Id should have proper length
Age	<input type="text"/>	Enter Age. Age should be between 21 to 30
Email Id	<input type="text"/>	Email Id Required. Email Id should not be proper
<input type="button" value="Button"/>		

→ .xml file
`<?xml version="1.0" encoding="utf-8"?>`
`<Advertisements>`

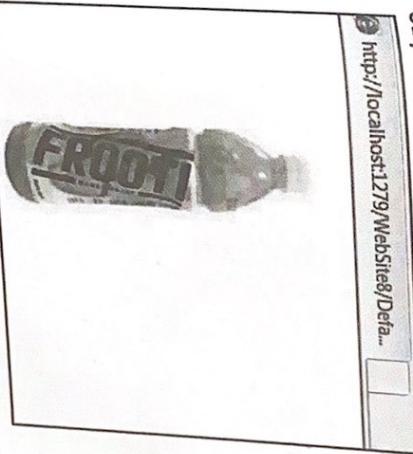
```
<Ad>
<ImageUrl>~/image/coke.jpg</ImageUrl>
<Impressions>2</Impressions>
</Ad>
<Ad>
<ImageUrl>~/image/frooti.jpg</ImageUrl>
<Impressions>2</Impressions>
</Ad>
<Ad>
<ImageUrl>~/image/pepsi.jpg</ImageUrl>
<Impressions>2</Impressions>
</Ad>
<Advertisements>
```

➤ Program 4(b): Create Web Form to demonstrate use of Adrotator Control.

➔ aspx file

```
<%@ Page Language="C#" AutoEventWireup="True" CodeFile="Default.aspx.cs"
Inherits="_Default"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<asp:AdRotator ID="AdRotator1" runat="server"
AdvertisementFile="~/XMLFile.xml"/>
</div>
</form>
</body>
</html>
```

Output



➤ Program 4(c): Create Web Form to demonstrate use User Controls.

➔ .ascsx file

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

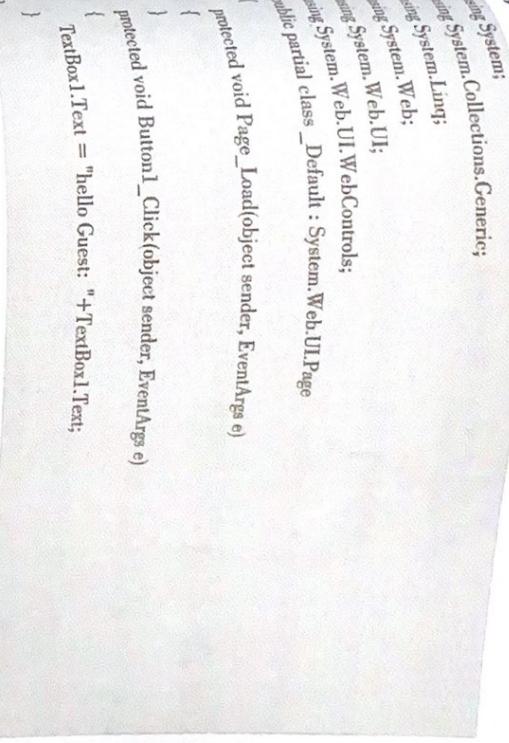
```

→ .aspx file

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>
<%@ Register src="~/WebUserControl.ascx" tagname="WebUserControl" tagprefix="uc1" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
<asp:Button ID="Button1" runat="server" onclick="Button1_Click" Text="Button" />
<uc1:WebUserControl ID="WebUserControl1" runat="server" />
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
</div>
</body>
</html>

```

Output



```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN
 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title>Welcome</title>
</head>
<body>
<form id="form1" runat="server">
<div>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
<asp:Button ID="Button1" runat="server" onclick="Button1_Click" Text="Button" />
<uc1:WebUserControl ID="WebUserControl1" runat="server" />
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
</div>
</body>
</html>

```

L.5 Working with Navigation, Beautification and Master page.

Program 5(a) : Create Web Form to demonstrate use of Website Navigation controls and Site Map.

→ Home page

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default2.aspx.cs"
Inherits="Default2" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
</head>
```

```
<title></title>
```

```
</body>
```

```
<form id="form1" runat="server">
```

```
<asp:SiteMapPath ID="SiteMapPath1" runat="server" EnableTheming="False">
```

```
<head runat="server">
```

```
<br /> Welcome to Online Store
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

→ Third page (Default4.aspx)

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default4.aspx.cs"
Inherits="Default4" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```

```
<asp:SiteMapPath ID="SiteMapPath1" runat="server" EnableTheming="False">
```

```
<head runat="server">
```

```
<br /> Welcome to Online Store
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

→ Second page(Default3.aspx)

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default3.aspx.cs"
Inherits="Default3" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
</head>
```

```
<title></title>
```

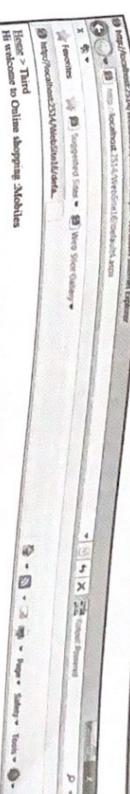
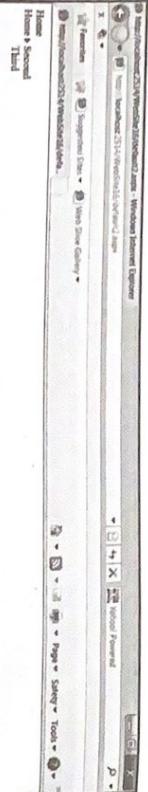
```
</body>
```

→ Sitemap file (Web.sitemap)

```
<?xml version="1.0" encoding="utf-8" ?>
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >
<siteMapNode url="default2.aspx" title="Home" description="">
<siteMapNode url="default3.aspx" title="Second" description="" />
```

Hi welcome to Online shopping :Mobiles

```
<siteMapNode url="default4.aspx" title="Third" description="" />
</siteMapNode>
</siteMap>
```

Output

- **Program 5(b) :** Create a web application to demonstrate use of Master Page with applying Styles and Themes for page beautification.

→ Master Page

```
<%@ Master Language="C#" AutoEventWireup="true" CodeFile="MasterPage.master.cs"
Inherits="MasterPage" %>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">Vodafone Mobile Store</head>
<title>Vodafone Mobile Store</title>
<asp:ContentPlaceHolder id="head" runat="server">
</asp:ContentPlaceHolder>
</head>
<body>
<link rel="stylesheet" href="StyleSheet.css" type="text/css" />
<form id="Form1" runat="server">
<asp:ContentPlaceHolder id="ContentPlaceHolder1" runat="server">
<p>
    &nbsp;</p>

```

→ Default.aspx

```
<p>
  &nbsp;</p>
<p>
  &nbsp;</p>
</asp:ContentPlaceHolder>
</form>
</body>
</html>
```

→ Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" MasterPageFile="~/MasterPage.master" Theme="Theme1"%>
<asp:Content ID="c2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
<asp:Label ID="Label1" runat="server" Text="Select The Date"></asp:Label>
<asp:Calendar ID="Calendar1" runat="server"></asp:Calendar>
<asp:HyperLink ID="HyperLink1" runat="server" NavigateUrl="~/Default2.aspx">Next</asp:HyperLink>
</asp:Content>
```

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default2.aspx.cs"
Inherits="Default2" MasterPageFile="~/MasterPage.master" %>
<asp:Content id="c1" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
<asp:Label ID="Label1" runat="server" Text="Label1"></asp:Label>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
</asp:Content>
```

→ Stylesheet

```
body
{
  background-color: Gray;
  font :italic| Arial| 12;
}
```

→ Theme-skin file

<%--
Default skin template. The following skins are provided as examples only.

1. Named control skin. The SkinId should be uniquely defined because
duplicate SkinId's per control type are not allowed in the same theme.

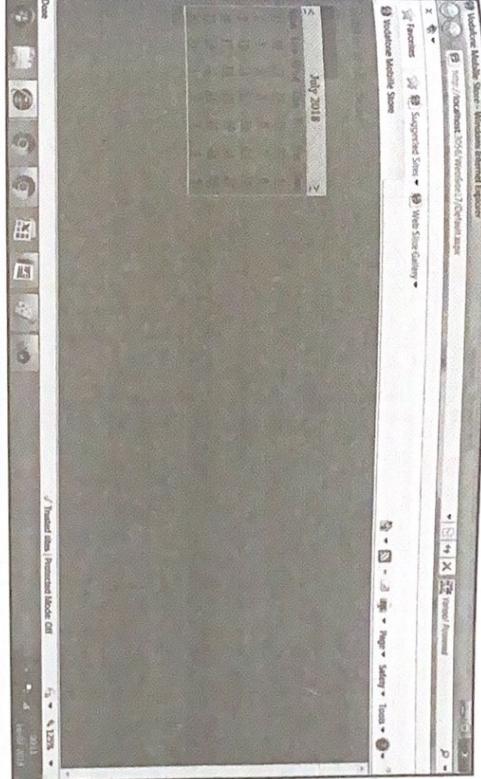
<asp:GridView runat="server" SkinId="gridviewSkin" BackColor="White" >
<AlternatingRowStyle BackColor="Blue" />

</asp:GridView>

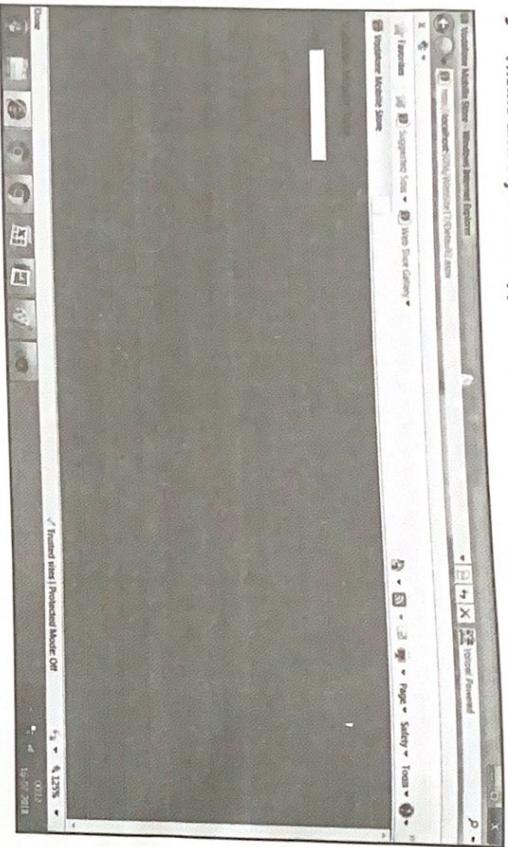
2. Default skin. The SkinId is not defined. Only one default
control skin per control type is allowed in the same theme.

```
<asp:Image runat="server" ImageUrl="~/images/image1.jpg" />
<%>
<asp:Label runat="server" BackColor=blue/>
```

Output



⇒ Theme and style sheet applied in page 1



Only theme applied in page2

- Program 5(c) : Create a web application to demonstrate various states of ASP.NET Pages.

⇒ Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs"
Inherits="_Default" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<asp:HiddenField ID="HiddenField1" value="2" runat="server" />
<asp:Label ID="Label2" runat="server" Text="Label1"></asp:Label>
<br />
```

⇒ Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (IsPostBack)
        {
            if (ViewState["Count"] != null)
            {
                int ViewStateVal = Convert.ToInt32(ViewState["Count"]) + 1;
            }
        }
    }
}
```

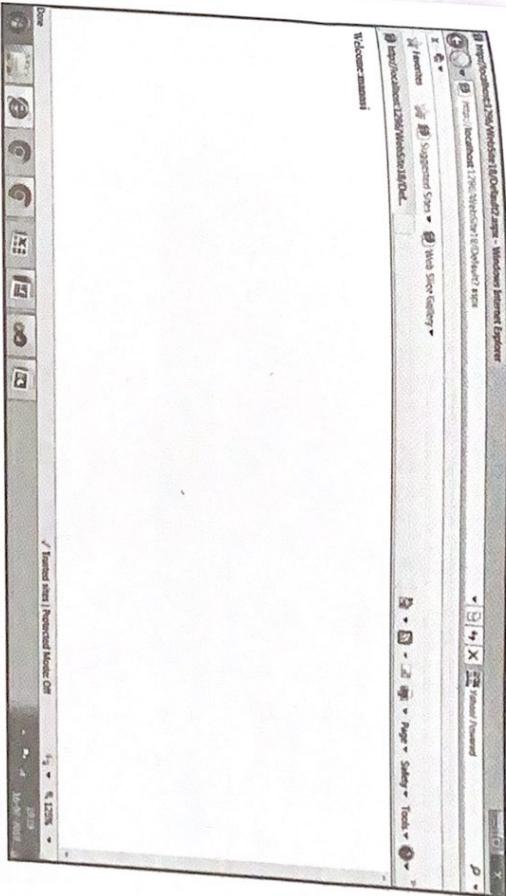
Default2.aspx.cs

```

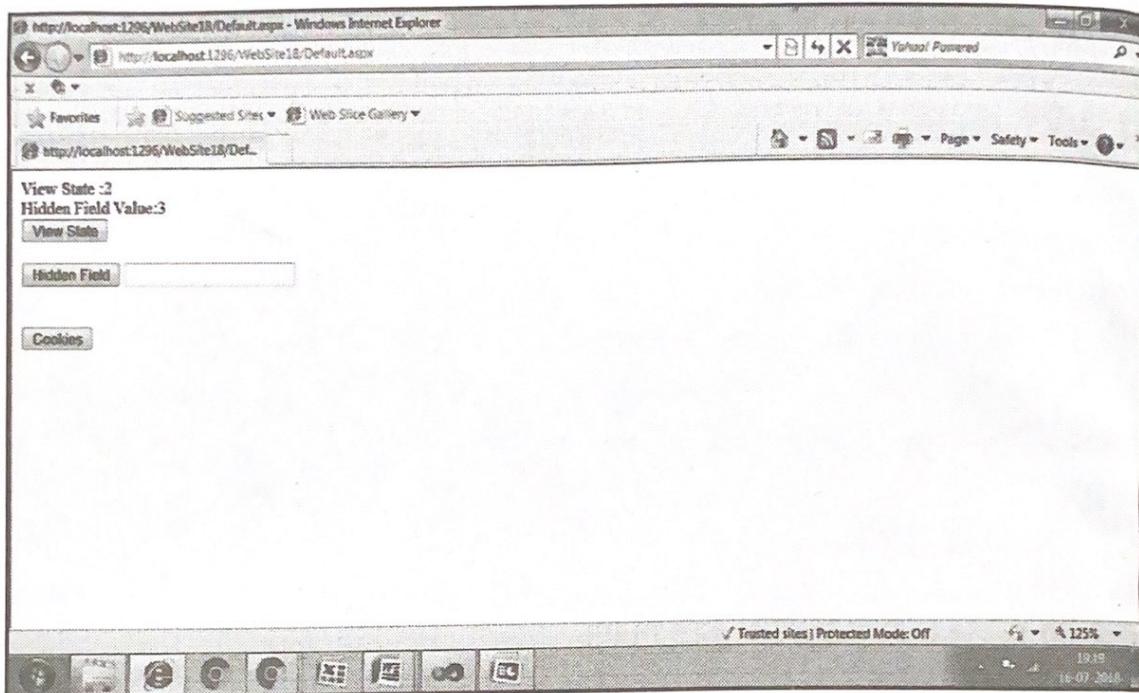
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class Default2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if(Request.Cookies["name"]!=null)
            Response.Write("Welcome:" + Request.Cookies["name"].Value);
    }
}

```

Output



→ Passing value through cookies



L.6 Working with database

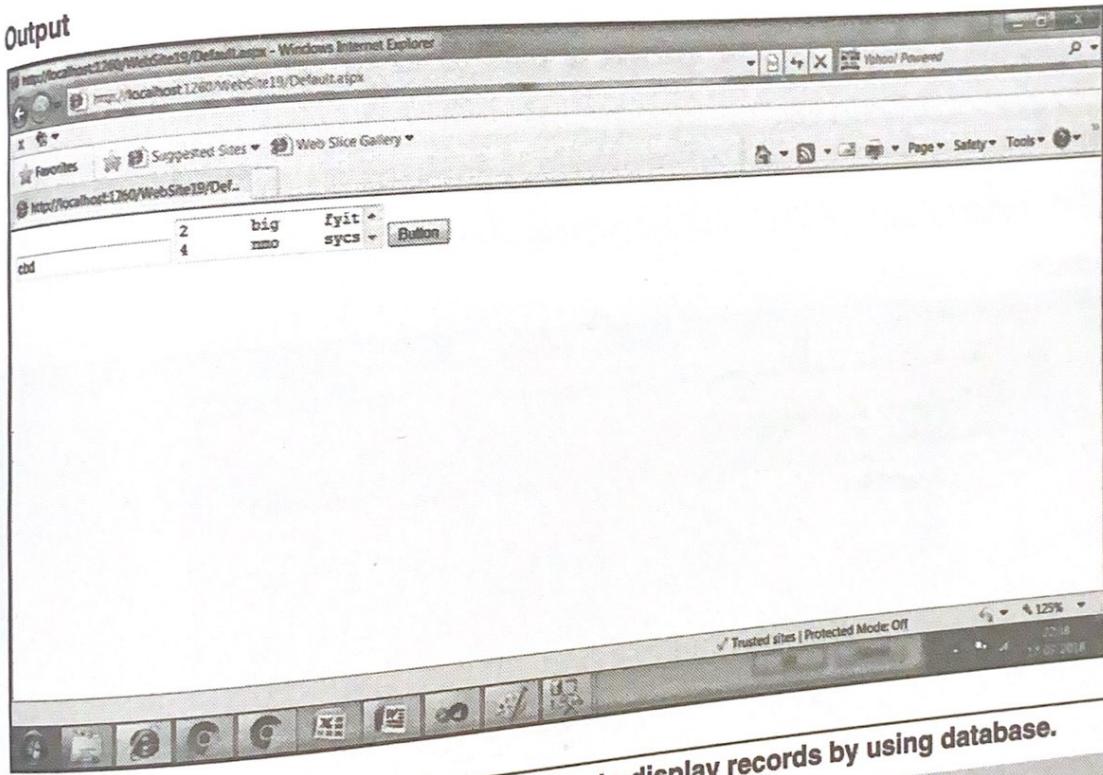
- Program 6(a) : Create a web application bind data in a multiline textbox by querying in another textbox.

→ .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.SqlClient;
public partial class _Default : System.Web.UI.Page
{
    SqlConnection cn = new SqlConnection("Data Source=ADMINMURALI-
PC\\SQLEXPRESS;Initial Catalog=student;Integrated Security=True");
    SqlCommand co = new SqlCommand();
    SqlDataReader ds;
    protected void Page_Load(object sender, EventArgs e)
```

```
        cn.Open();
        co.Connection = cn;
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        co.CommandText = "select * from stdetail where city= '" + TextBox1.Text + "'";
        ds = co.ExecuteReader();
        while (ds.Read())
        {
            TextBox2.Text += ds[0].ToString() + "\t" + ds[1].ToString() + "\t" + ds[2].ToString() + "\n";
        }
    }
}
```

Output

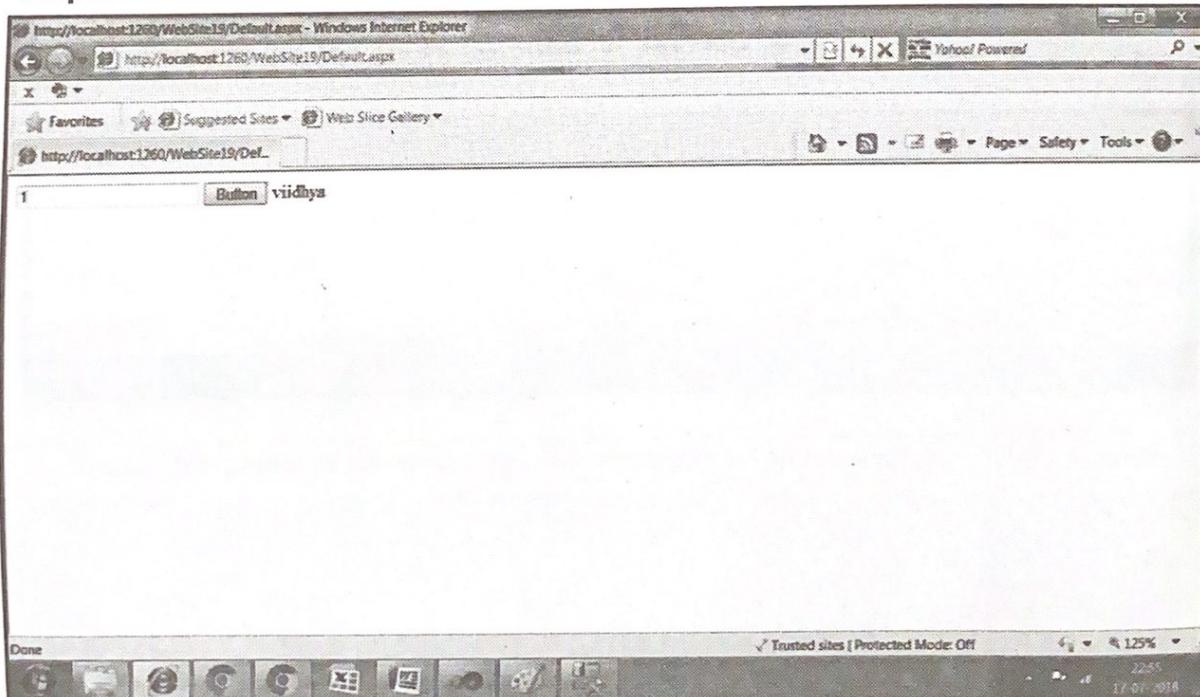
➤ Program 6(b) Create a web application to display records by using database.

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



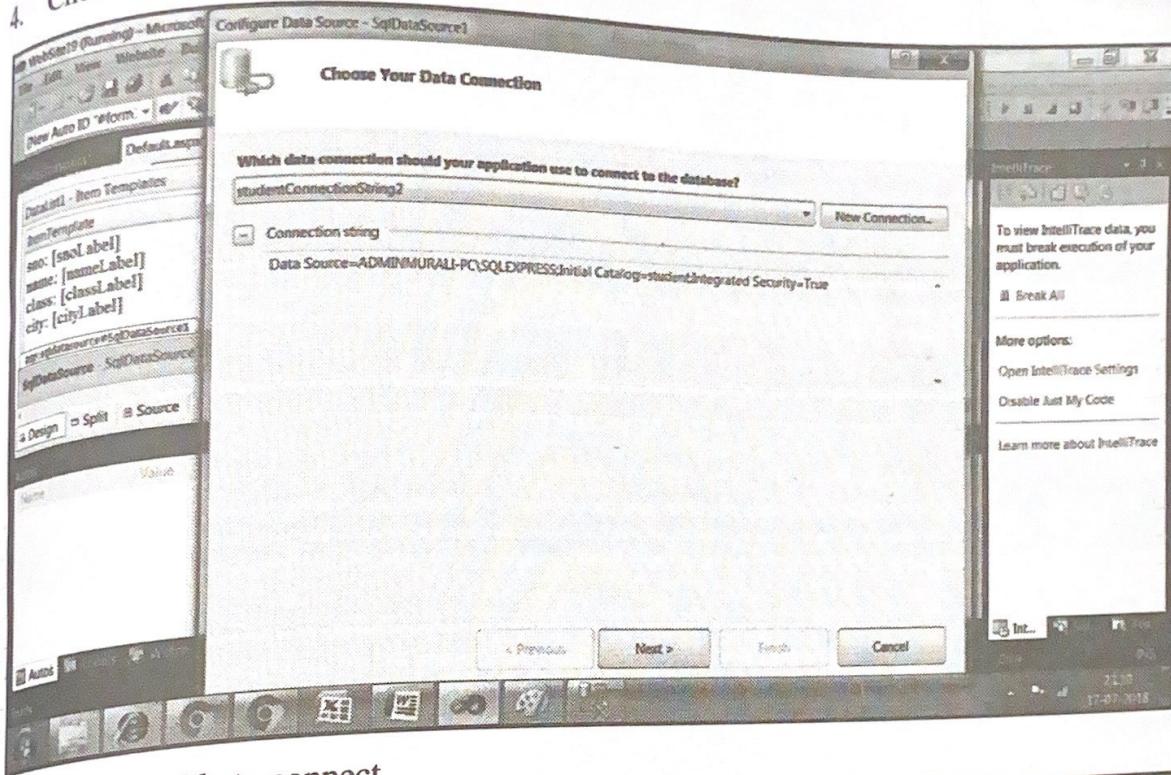
```
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
public partial class _Default : System.Web.UI.Page
{
    SqlConnection cn = new SqlConnection("Data Source=ADMINMURALI-
PC\\SQLEXPRESS;Initial Catalog=student;Integrated Security=True");
    SqlCommand co = new SqlCommand();
    SqlDataReader ds;
    protected void Page_Load(object sender, EventArgs e)
    {
        cn.Open();
        co.Connection = cn;
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        co.CommandText = "select name from stdetail where sno=" + TextBox1.Text;
        Label1.Text = co.ExecuteScalar().ToString();
    }
}
```

Output

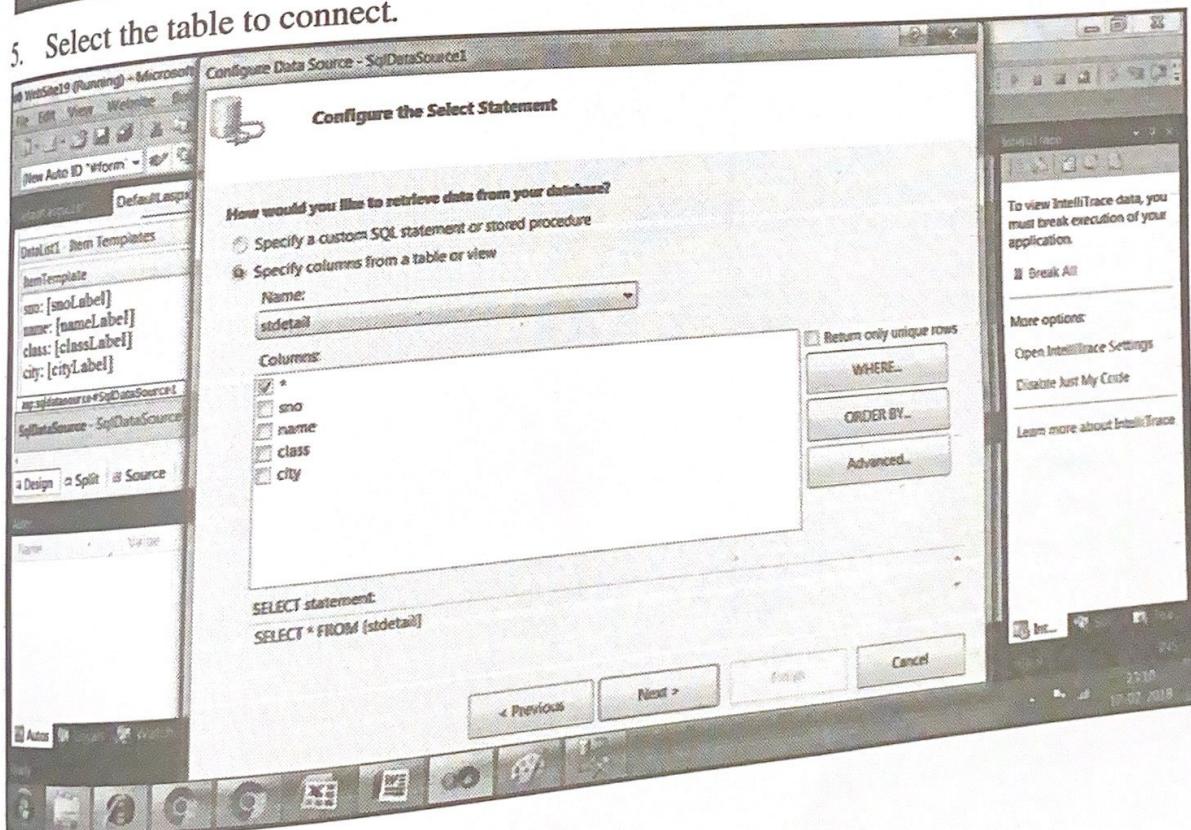


Program 6(c) : Demonstrate the use of data link control.

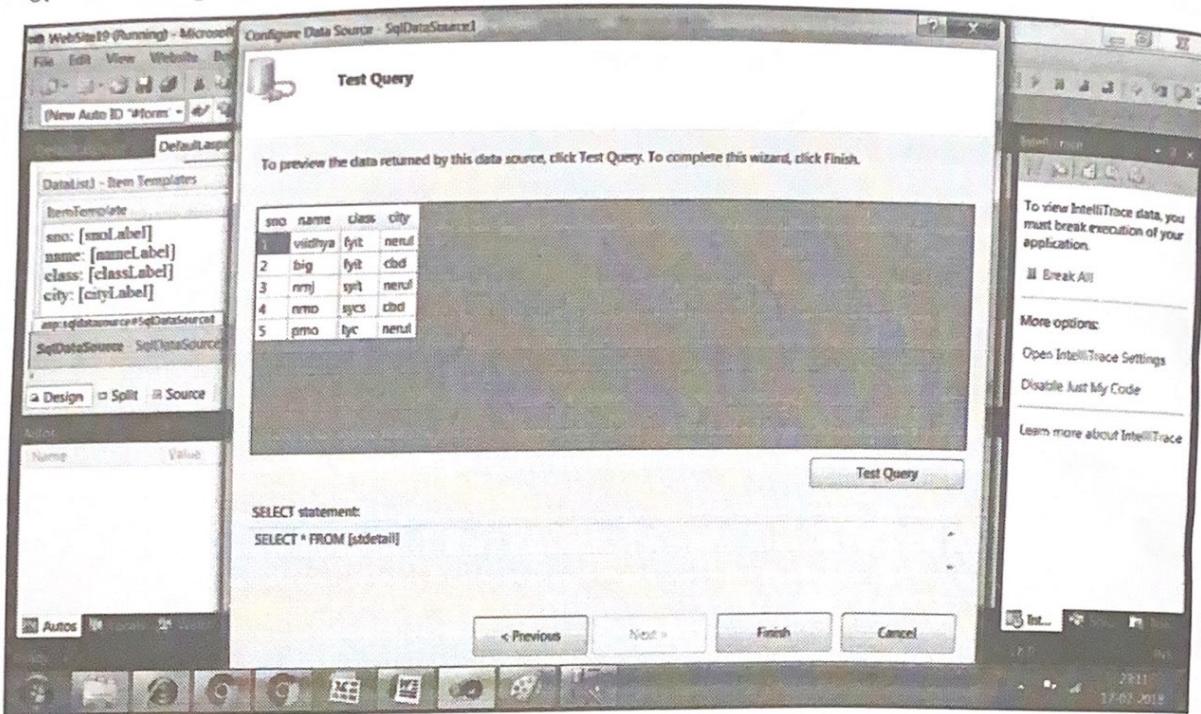
- Drag and drop Data list control, SQLDATASOURCE control.
- 1. Right click on the SQLDATA Source control.
- 2. Click on configure data source.
- 3. Choose your data connection



5. Select the table to connect.



6. Test the query



7. Click on finish button

8. Run the program.

Output

```
sno: 1
name: viidhya
class: fyit
city: nerul
```

```
sno: 2
name: big
class: fyit
city: cbd
```

```
sno: 3
name: nmj
class: syit
city: nerul
```