



ASP.NET SUBMISSION

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CERTIFICATE

*This is to certify that Mr. / Ms. Jagani Ishan Jigneshkumar having
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work for subject "Web Programming Using ASP.Net", subject
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____/____/____

Darshak B. Mehta

DATE OF SUBMISSION:

SIGNATURE OF FACULTY

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Practical : 1

AIM: Getting acquainted with Visual Studio environment. (Create new web project, open existing web project, building website, and study of toolbars, menu etc.)

This walkthrough provides you with an introduction to Microsoft Visual Web Developer. It guides you through creating a simple page by using Visual Web Developer, illustrating the basic techniques of creating a new page, adding controls, and writing code.

Tasks illustrated in this walkthrough include:

- Creating a file system Web site.
- Familiarizing yourself with Visual Web Developer.
- Creating a single-file ASP.NET page in Visual Web Developer.
- Adding controls.
- Adding event handlers.
- Running pages with the Web Servers in Visual Web Developer.
- The .NET Framework

Creating a Web Site and Page

In this part of the walkthrough, you will create a Web site and add a new page to it. You will also add HTML text and run the page in your Web browser.

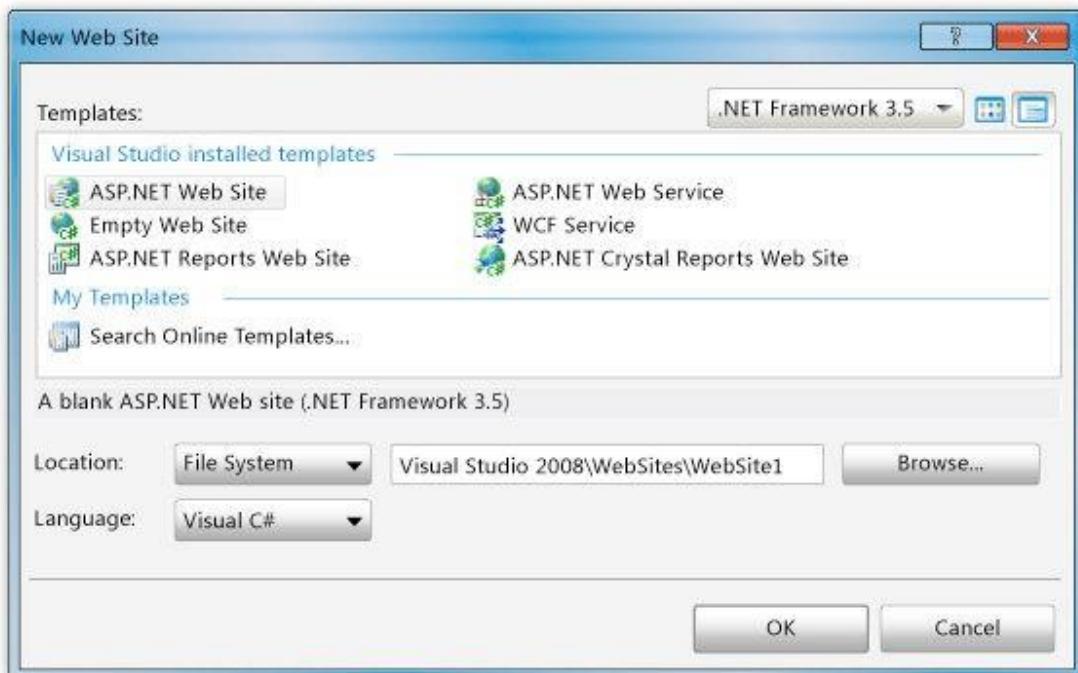
For this walkthrough, you will create a file system Web site that does not require that you work with Microsoft Internet Information Services (IIS). Instead, you will create and run your page in the local file system.

A file system Web site is one that stores pages and other files in a folder that you choose somewhere on your local computer. Other Web site options include a local IIS Web site, which stores your files in a subfolder of the local IIS root (typically, \Inetpub\Wwwroot\). An FTP site stores files on a remote server that you gain access to across the Internet by using File Transfer Protocol (FTP). A remote site stores files on a remote server that you can access across a local network. For more information, see Walkthrough: Editing Web Sites with FTP in Visual Web Developer. Also, Web site files can be stored in a source control system such as Visual SourceSafe. For more information, see Introducing Source Control.

To create a file system Web site

1. Open Visual Web Developer.
2. On the File menu, click New Web Site.

The New Web Site dialog box appears, as shown in the following screen shot.



- Under Visual Studio installed templates, click ASP.NET Web Site.

When you create a Web site, you specify a template. Each template creates a Web application that contains different files and folders. In this walkthrough, you are creating a Web site based on the ASP.NET Web Site template, which creates some folders and a few default files.

- In the Location box, select the File System box, and then enter the name of the folder where you want to keep the pages of your Web site.

For example, type the folder name C:\BasicWebSite.

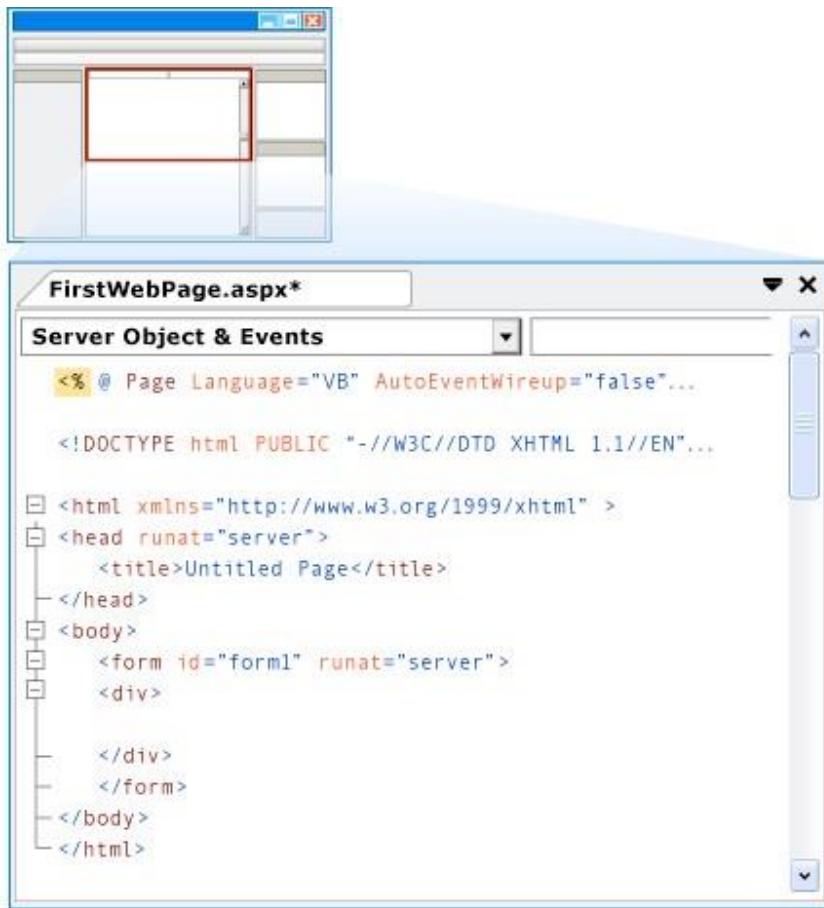
- In the Language list, select Visual Basic or Visual C#.

New Web Site dialog box

The programming language you choose will be the default for your Web site. However, you can use multiple languages in the same Web application by creating pages and components in different programming languages.

- Click OK.

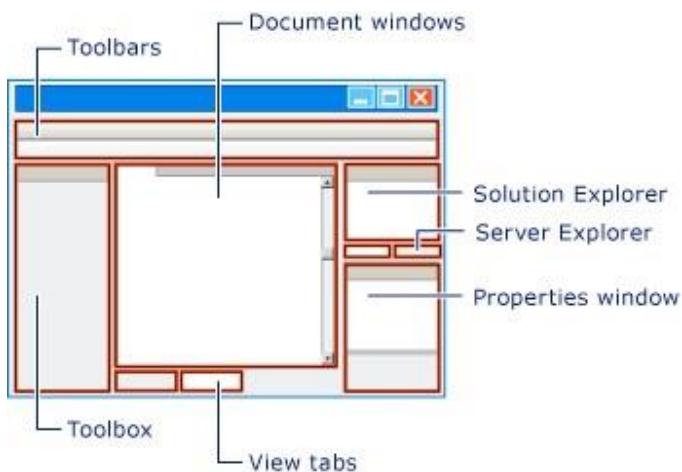
Visual Web Developer creates the folder and a new page named Default.aspx. When a new page is created, by default Visual Web Developer displays the page in Source view, where you can see the page's HTML elements. The following screen shot shows the Source view of a default Web page.

Source view of default page**A Tour of Visual Web Developer**

Before you proceed with working on the page, it is useful to familiarize yourself with the Visual Web Developer development environment. The following illustration shows you the windows and tools that are available in Visual Web Developer.

This diagram shows default windows and window locations. The View menu allows you to display additional windows, and to rearrange and resize windows to suit your preferences. If changes have already been made to the window arrangement, what you see will not match the diagram.

Diagram of Visual Web Developer environment



To familiarize yourself with the Web designer in Visual Web Developer

- Examine the preceding illustration and match the text to the following list, which describes the most commonly used windows and tools. (Not all windows and tools that you see are listed here, only those marked in the preceding illustration.)
 - Toolbars. Provide commands for formatting text, finding text, and so on. Some toolbars are available only when you are working in Design view.
 - Solution Explorer. Displays the files and folders in your Web site.
 - Document window. Displays the documents you are working on in tabbed windows. You can switch between documents by clicking tabs.
 - Properties window. Allows you to change settings for the page, HTML elements, controls, and other objects.
 - View tabs. Present you with different views of the same document. Design view is a near-WYSIWYG editing surface. Source view is the HTML editor for the page. Split view displays both the Design view and the Source view for the document. You will work with the Design and Source views later in this walkthrough. If you prefer to open Web pages in Design view, on the Tools menu, click Options, select the HTML Designer node, and change the Start Pages In option.
 - Toolbox. Provides controls and HTML elements that you can drag onto your page. Toolbox elements are grouped by common function.
 - Server Explorer/Database Explorer. Displays database connections. If Server Explorer is not visible in Visual Web Developer, on the View menu, click Server Explorer or Database Explorer.

Creating a New Web Forms Page

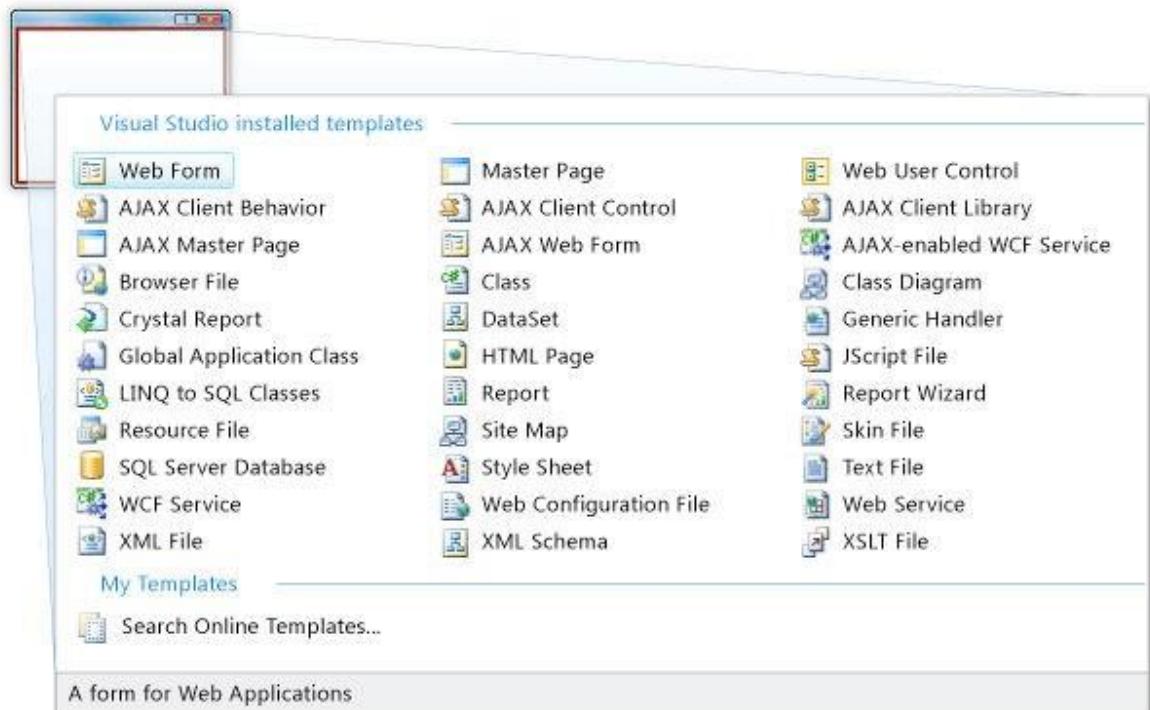
When you create a new Web site, Visual Web Developer adds an ASP.NET page (Web Forms page) named Default.aspx. You can use the Default.aspx page as the home page for your Web site. However, for this walkthrough, you will create and work with a new page.

To add a page to the Web site

1. Close the Default.aspx page. To do this, right-click the tab containing the file name and select Close.
2. In Solution Explorer, right-click the Web site (for example, C:\BasicWebSite), and then click Add New Item.
3. Under Visual Studio installed templates, click Web Form. The following screen shot

shows the Add New Item dialog box.

Add New Item dialog box



4. In the Name box, type FirstWebPage.
5. In the Language list, choose the programming language you prefer to use (Visual Basic, C#, or J#). When you created the Web site, you specified a default language. However, each time you create a new page or component for your Web site, you can change the language from the default. You can use different programming languages in the same Web site.
6. Clear the Place code in separate file check box.

In this walkthrough, you are creating a single-file page with the code and HTML in the same page. The code for ASP.NET pages can be located either in the page or in a separate class file. To learn more about keeping the code in a separate file, see Walkthrough: Creating a Basic Web Page with Code Separation in Visual Web Developer. 7. Click Add.

Visual Web Developer creates the new page and opens it.

Adding HTML to the Page

In this part of the walkthrough, you will add some static text to the page.

To add text to the page

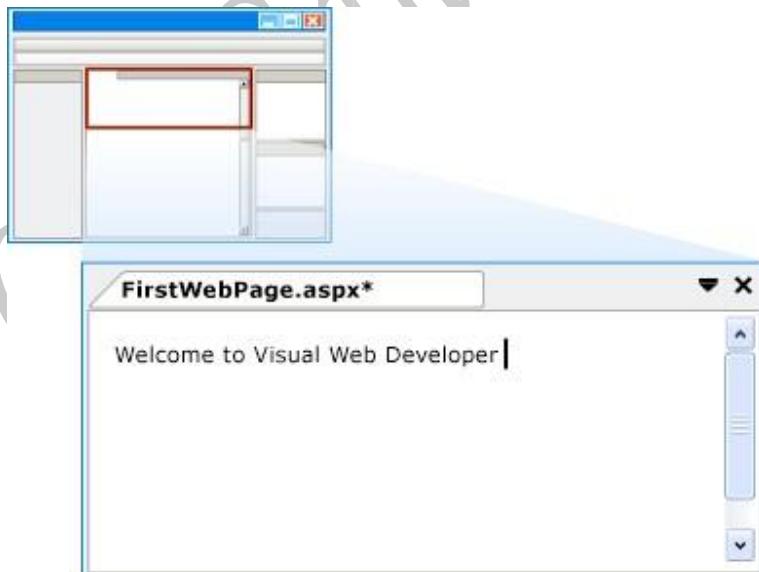
1. At the bottom of the document window, click the Design tab to switch to Design view.

Design view displays the page that you are working on in a WYSIWYG-like way. At this point, you do not have any text or controls on the page, so the page is blank except for a dashed line that outlines a rectangle. This rectangle represents a div element on the page.

2. Click inside the rectangle that is outlined by a dashed line.
3. Type Welcome to Visual Web Developer and press Enter twice.

The following screen shot shows the text you typed in Design view.

Welcome text as seen in Design view



4. Switch to Source view.

You can see the HTML that you created by typing in Design view, as shown in the following screen shot.

Welcome text as seen in Source view

The screenshot shows the Visual Studio IDE with the code editor open for a file named "FirstWebPage.aspx". The title bar says "FirstWebPage.aspx*". The editor displays the following ASP.NET page source code:

```
1 <%@ Page Language="VB" %>
2
3 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.
4
5 <script runat="server">
6
7 </script>
8
9 <html xmlns="http://www.w3.org/1999/xhtml"
10 <head runat="server">
11     <title>Untitled Page</title>
12 </head>
13 <body>
14     <form id="form1" runat="server">
15         <div>
16             Welcome to Visual Web Developer<br>
17             <br />
18
19         </div>
20     </form>
21 </body>
22 </html>
23
```

Running the Page

Before you proceed with adding controls to the page, you can try running it. To run a page, you need a Web server. In a production Web site, you use IIS as your Web server. However, to test a page, you can use the ASP.NET Development Server, which runs locally and does not require IIS. For file system Web sites, the default Web server in Visual Web Developer is the ASP.NET Development Server.

To run the page

1. In Solution Explorer, right-click FirstPage.aspx and select Set as Start Page.
2. Press CTRL+F5 to run the page.

Visual Web Developer starts the ASP.NET Development Server. An icon appears on the toolbar to indicate that the Visual Web Developer Web server is running, as shown in the following screen shot.

Visual Web Developer Web server icon

The page is displayed in the browser. Although the page you created has an extension of .aspx, it currently runs like any HTML page.

To display a page in the browser you can also right-click the page in Solution Explorer and select View in Browser.

If the browser displays a 502 error or an error indicating that the page cannot be displayed, you might need to configure your browser to bypass proxy servers for local requests. For details, see How to: Bypass a Proxy Server for Local Web Requests.

3. Close the browser.

Adding and Programming Controls

In this part of the walkthrough, you will add a Button, a TextBox, and a Label control to the page and write code to handle the Click event for the Button control.

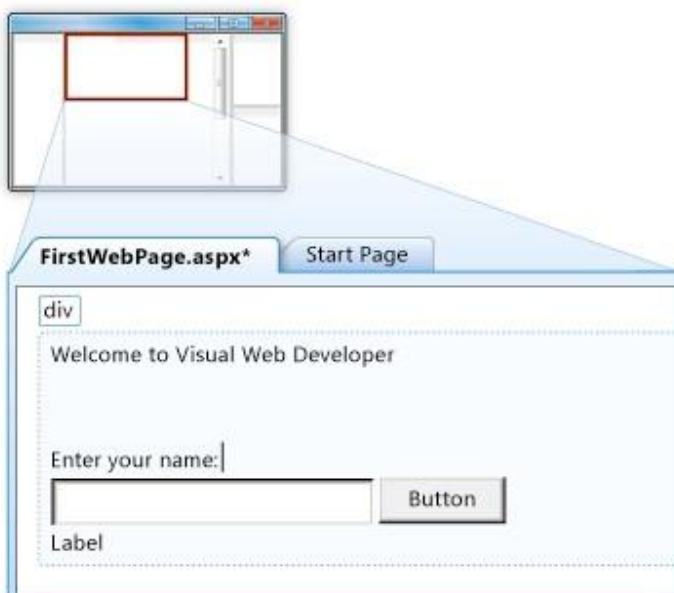
You will now add server controls to the page. Server controls, which include buttons, labels, text boxes, and other familiar controls, provide typical form-processing capabilities for your ASP.NET Web pages. However, you can program the controls with code that runs on the server, not the client.

To add controls to the page

1. Click the Design tab to switch to Design view.
2. Put the insertion point at the end of the Welcome to Visual Web Developer text and press ENTER five or more times to make some room in the div element box.
3. In the Toolbox, expand the Standard group.
4. Drag a TextBox control onto the page and position it in the middle of the div element box that has Welcome to Visual Web Developer in the first line.
5. Drag a Button control onto the page and position it to the right of the TextBox control.
6. Drag a Label control onto the page and position it on a separate line below the Button control.
7. Put the insertion point above the TextBox control, and then type Enter your name:.

This static HTML text is the caption for the TextBox control. You can mix static HTML and server controls on the same page. The following screen shot shows how the three controls appear in Design view.

Controls in Design View



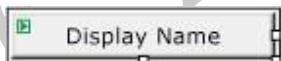
Setting Control Properties

Visual Web Developer offers you various ways to set the properties of controls on the page. In this part of the walkthrough, you will set properties in both Design view and Source view.

To set control properties

1. Select the Button control, and then in the Properties window, set Text to Display Name, as shown in the following screen shot.

Changed Button control text



2. Switch to Source view.

Source view displays the HTML for the page, including the elements that Visual Web Developer has created for the server controls. Controls are declared using HTML-like syntax, except that the tags use the prefix `asp:` and include the attribute `runat="server"`.

Control properties are declared as attributes. For example, when you set the `Text` property for the Button control, in step 1, you were actually setting the `Text` attribute in the control's markup.

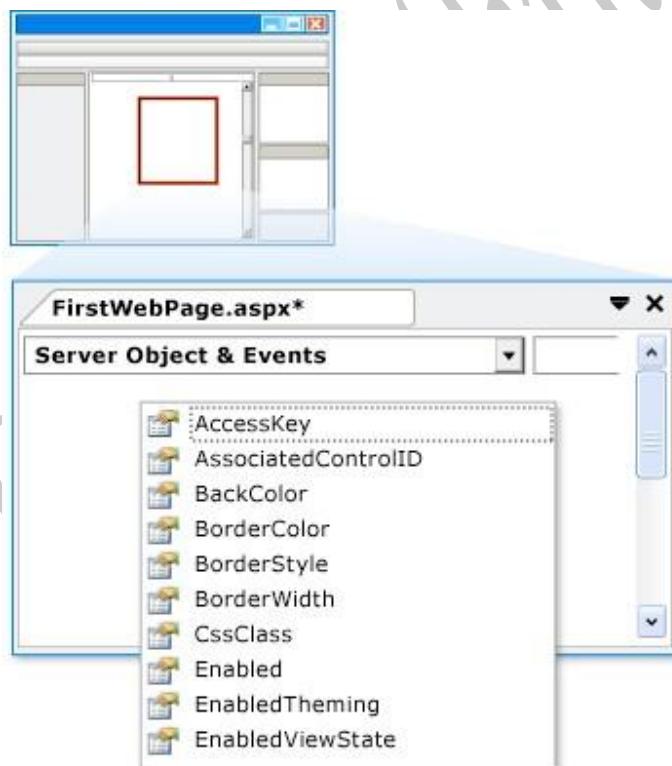
Note that all the controls are inside a <form> element, which also has the attribute runat="server". The runat="server" attribute and the asp: prefix for control tags mark the

unchanged to the browser, which is why the ASP.NET code must be inside an element

3. Put the insertion point after asp:Label in the <asp:Label> tag, and then press SPACEBAR.

A drop-down list appears that displays the list of properties you can set for a Label control. This feature, referred to as IntelliSense, helps you in Source view with the syntax of server controls, HTML elements, and other items on the page. The following screen shot shows the IntelliSense drop-down list for the Label control.

IntelliSense for Label control



controls so that they are processed by ASP.NET on the server when the page runs. Code outside of <form runat="server"> and <script runat="server"> elements is sent whose opening tag contains the runat="server" attribute.

4. Select ForeColor and then type an equal sign and a quotation mark ("). IntelliSense displays a list of colors.

Note:

You can display an IntelliSense drop-down list at any time by pressing CTRL+J.

5. Select a color for the Label control's text. Make sure you select a color that is dark enough to read against a white background.

The ForeColor attribute is completed with the color that you have selected, including the closing quotation mark.

Programming the Button Control

For this walkthrough, you will write code that reads the name that the user enters into the text box and then displays the name in the Label control.

To add a default button event handler

1. Switch to Design view.
2. Double-click the Button control.

Visual Web Developer switches to Source view and creates a skeleton event handler for the Button control's default event, the Click event.

Note:

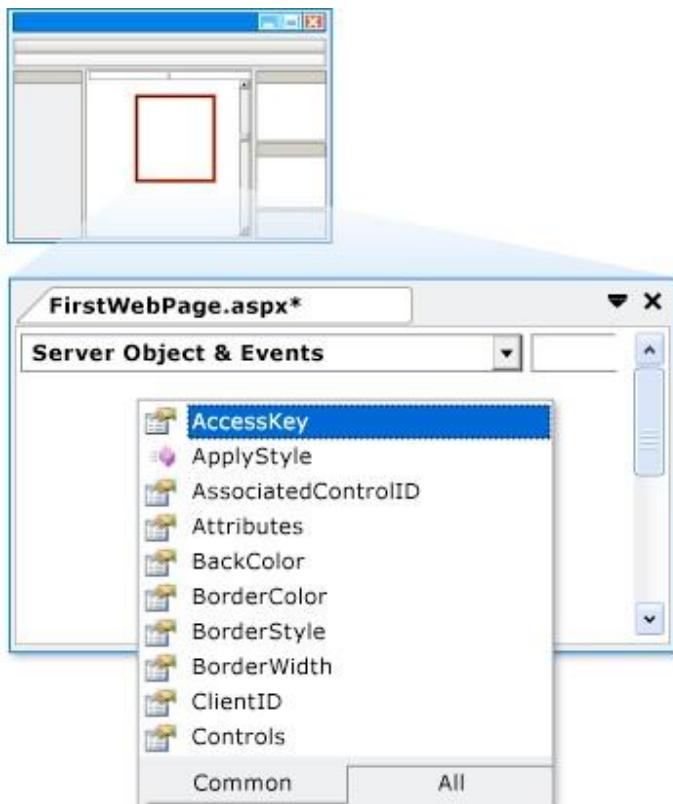
Double-clicking a control in Design view is just one of several ways you can create event handlers.

3. Inside the handler, type the following:

Label1.

When you type the period after Label, Visual Web Developer displays a list of available members for the Label control, as shown in the following screen shot.

Available Label control members



4. Finish the Click event handler for the button so that it reads as shown in the following code example.

VB

```
Protected Sub Button1_Click(ByVal sender As Object, ByVal e As System.EventArgs)
    Label1.Text = TextBox1.Text & ", welcome to Visual Web Developer!"
End Sub
```

C#

```
protected void Button1_Click(object sender, System.EventArgs e)
{
    Label1.Text = TextBox1.Text + ", welcome to Visual Web Developer!";
}
```

5. Scroll down to the <asp:Button> element. Note that the <asp:Button> element now has the attribute OnClick="Button1_Click". This attribute binds the button's Click event to the handler method you coded in step 4.

Event handler methods can have any name; the name you see is the default name created by Visual Web Developer. The important point is that the name used for the OnClick attribute must match the name of a method in the page.

If you are using Visual Basic with code separation, Visual Web Developer does not add an explicit OnClick attribute. Instead, the event is bound to the handler method using a Handles keyword on the handler declaration itself.

Running the Page

You can now test the server controls on the page.

To run the page

1. Press CTRL+F5 to run the page in the browser.

The page again runs using the ASP.NET Development Server.

2. Enter a name into the text box and click the button.

The name you entered is displayed in the Label control. Note that when you click the button, the page is posted to the Web server. ASP.NET then recreates the page, runs your code (in this case, the Button control's Click event handler runs), and then sends the new page to the browser. If you watch the status bar in the browser, you can see that the page is making a round trip to the Web server each time you click the button.

3. In the browser, view the source of the page you are running.

In the page source code, you see only ordinary HTML; you do not see the <asp:> elements that you were working with in Source view. When the page runs, ASP.NET processes the server controls and renders HTML elements to the page that perform the functions that represent the control. For example, the <asp:Button> control is rendered as the HTML element <input type="submit">.

4. Close the browser.

Working with Additional Controls

In this part of the walkthrough, you will work with the Calendar control, which displays dates a month at a time. The Calendar control is a more complex control than the button, text box, and label you have been working with and illustrates some further capabilities of server controls.

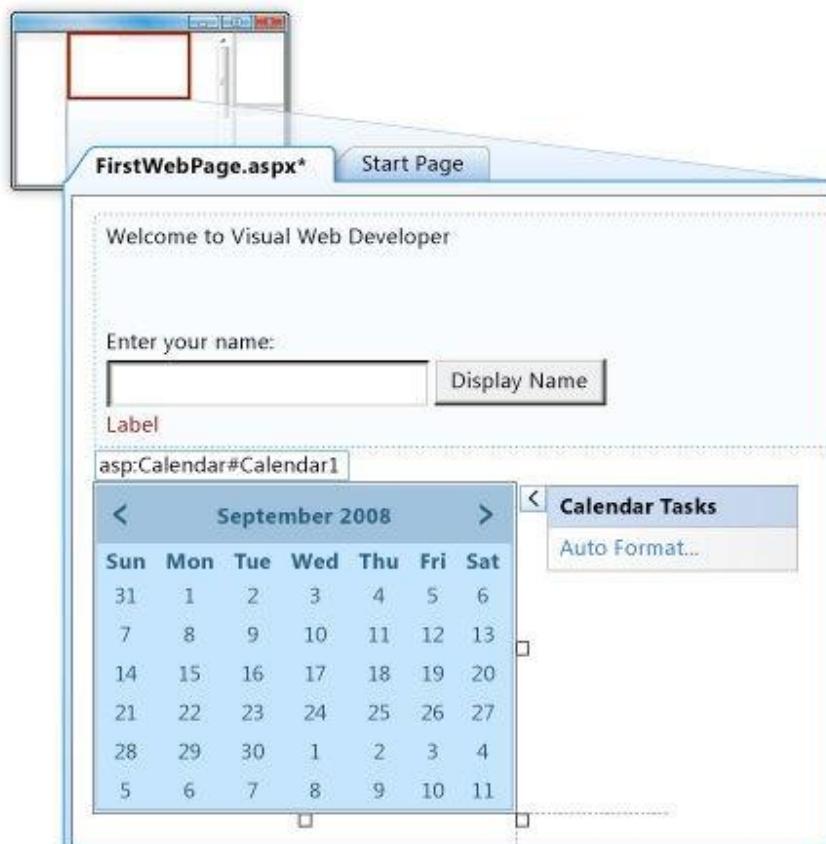
In this section, you will add a Calendar control to the page and format it.

To add a Calendar control

1. In Visual Web Developer, switch to Design view.
2. From the Standard section of the Toolbox, drag a Calendar control onto the page and position it below the div element that contains the other controls:

The calendar's smart tag panel is displayed. The panel displays commands that make it easy for you to perform the most common tasks for the selected control. The following screen shot shows the Calendar control as rendered in Design view.

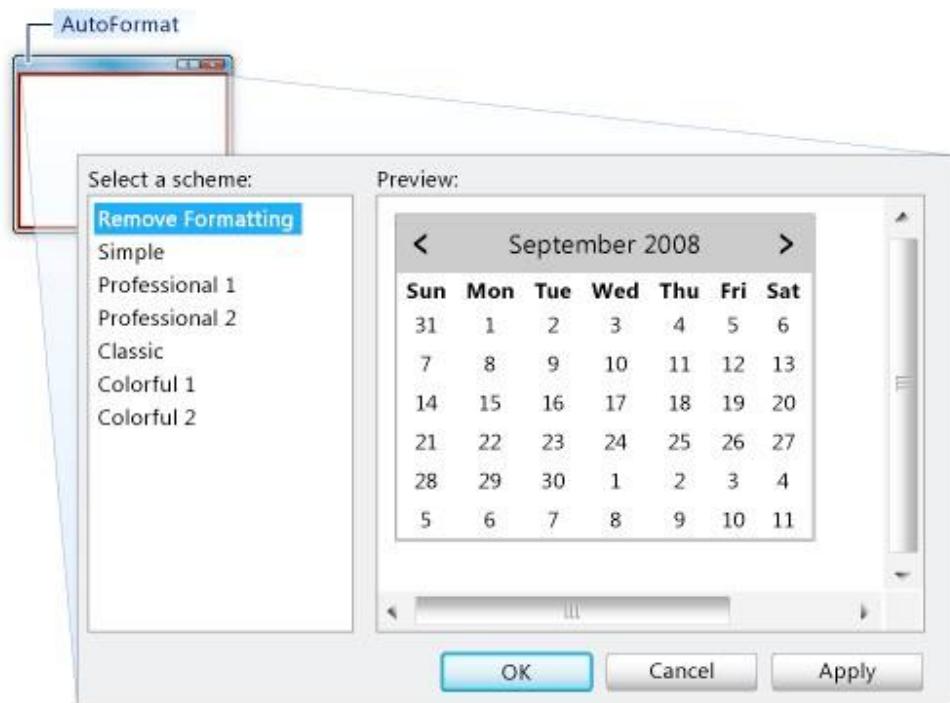
Calendar control in Design view



3. In the smart tag panel, choose Auto Format.

The Auto Format dialog box is displayed, which allows you to select a formatting scheme for the calendar. The following screen shot shows the Auto Format dialog box for the Calendar control.

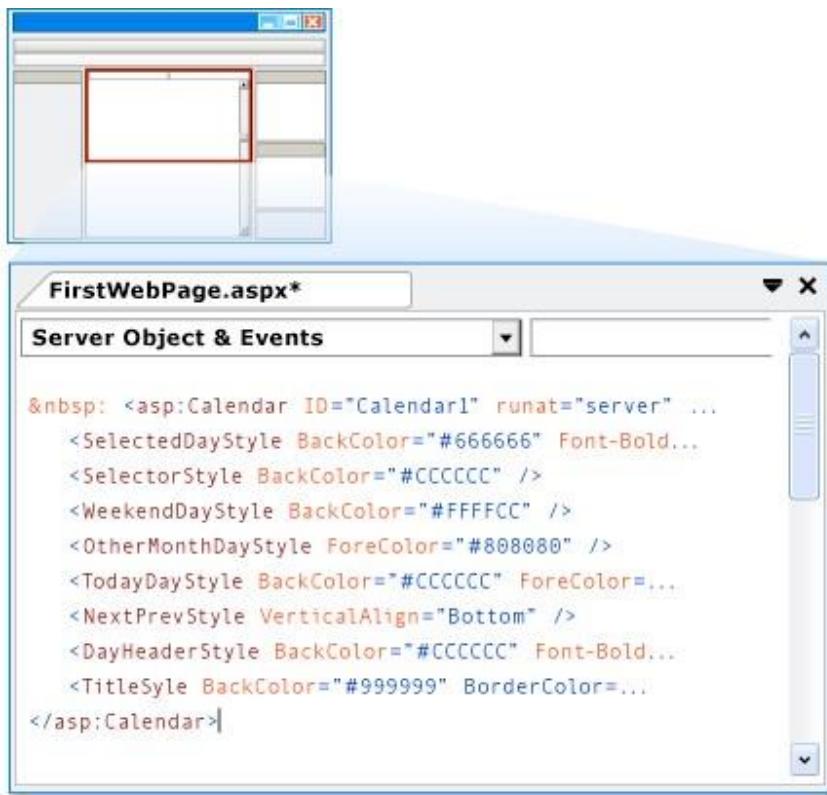
Auto Format dialog box for the Calendar control



4. From the Select a scheme list, select Simple and then click OK.
5. Switch to Source view.

You can see the `<asp:Calendar>` element. This element is much longer than the elements for the simple controls you created earlier. It also includes subelements, such as `<WeekEndDayStyle>`, which represent various formatting settings. The following screen shot shows the Calendar control in Source view.

Calendar control in Source view



Programming the Calendar Control

In this section, you will program the Calendar control to display the currently selected date.

To program the Calendar control

1. In Design view, double-click the Calendar control.

A new event handler is created in Source view.

2. Finish the SelectionChanged event handler with the following highlighted code.

VB

```
Protected Sub Calendar1_SelectionChanged( ByVal sender As Object, ByVal
e As System.EventArgs)
    Label1.Text = Calendar1.SelectedDate.ToString()
End Sub
```

C#

```
protected void Calendar1_SelectionChanged(object sender,
System.EventArgs e)
{
    Label1.Text = Calendar1.SelectedDate.ToString(); }
```

Running the Page

You can now test the calendar.

To run the page

1. Press CTRL+F5 to run the page in the browser.
2. Click a date in the calendar.

The date you clicked is displayed in the Label control.

3. In the browser, view the source code for the page.

Note that the Calendar control has been rendered to the page as a table, with each day as a `<td>` element containing an `<a>` element.

4. Close the browser.

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 2

Aim: Develop Simple Application Using .net Facility.

Login.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Login.aspx.vb"
Inherits="Practical_2.Login" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Username :
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br />
            Password :
            <asp:TextBox ID="TextBox2" runat="server"
TextMode="Password"></asp:TextBox>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" Text="Login" />
        </div>
    </form>
</body>
</html>
```

Login.aspx.vb

```
Public Class Login
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        Response.Redirect("Home.aspx")

    End Sub
End Class
```

Home.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_2.Home" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Welcome to Ishan's Website
            <asp:Button ID="btnURL" runat="server" Text="Log Out" />
            <br />
            <br />
            Enter Your Birth Year :
            <asp:Button ID="calVisible" runat="server" Text="..." />
            <asp:Calendar ID="cal" runat="server" visible="false" />
            <br />
            <asp:Button ID="btnSubmit" runat="server" Text="Submit" />
        </div>
    </form>
</body>
</html>

```

Home.aspx.vb

```

Public Class Home
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

        End Sub

        Protected Sub calVisible_Click(sender As Object, e As EventArgs) Handles
calVisible.Click
            cal.Visible = True
        End Sub

        Protected Sub btnURL_Click(sender As Object, e As EventArgs) Handles btnURL.Click
            Response.Redirect("Login.aspx")
        End Sub
    End Class

```

Output :

Jagani Ishan Jigneshkumar

Welcome to Ishan's Website [Log Out](#)

Enter Your Birth Year :

On Pressing Log Out Button :

Jagani Ishan Jigneshkumar

Username :

Password :

Jagani Ishan Jigneshkumar

Username :

Password :

Jagani Ishan Jigneshkumar

Welcome to Ishan's Website [Log Out](#)

Enter Your Birth Year :

September 2021

| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-----|-----|-----|-----|-----|-----|-----|
| 30 | 31 | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 3

Aim: Develop simple web page using built in Objects.

First.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="First.aspx.vb"
Inherits="Practical_3.First" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
        </div>
    </form>
</body>
</html>
```

First.aspx.vb

```
Public Class First
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
        Response.Write("<br />Server Mappath : " & Server.MapPath("\"))
        Response.Write("<br />Server Machine Name : " & Server.MachineName)
        Response.Write("<br />Server Script Time Out : " & Server.ScriptTimeout)
        Response.Write("<br />Trace Enabled? : " & Trace.IsEnabled)
        Response.Write("<br />Trace Mode : " & Trace.TraceMode)
        Response.Write("<br />Client Certificate : " &
Request.ClientCertificate.ToString)
        Response.Write("<br />Request HTTP Method : " & Request.HttpMethod)

    End Sub

End Class
```

Output :



| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 4

Aim : Design a web form to allow user to enter following details in his Resume using Web Server Controls. Set validations using properties. When data is submitted it must be viewed in the panel below the form. Fields of Resume are FirstName, Surname, Gender, Address, City, Pincode, Phone, Qualification (Diploma, Bachelor, Master), Specialization subject, Percentage.

Resume.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Resume.aspx.vb"
Inherits="Practical_4._Resume" %>

<!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">
<p>
First Name:
<asp:TextBox ID="txtFname" runat="server" MaxLength="15"></asp:TextBox>
</p>
<p>
<asp:Label ID="Label2" runat="server" Text="Surname : "></asp:Label>
<asp:TextBox ID="txtLname" runat="server"></asp:TextBox>
</p>
<asp:Label ID="Label3" runat="server" Text="Gender:></asp:Label>
Gender: <asp:RadioButton ID="rdoMale" runat="server" GroupName="gender" Text="Male" />
<asp:RadioButton ID="rdoFemale" runat="server" GroupName="gender" Text="Female" />
</p>
<p>
Address: <asp:TextBox ID="txtAddress" runat="server" TextMode="MultiLine"/>
</p>
<p>
City:
<asp:DropDownList ID="drpCity" runat="server">
<asp:ListItem ID="drpListGandhinagar" runat="server" Value="Gandhinagar">Gandhinagar</asp:ListItem>
<asp:ListItem ID="drpListAhmedabad" runat="server" Value="Ahmedabad">Ahmedabad</asp:ListItem>
<asp:ListItem ID="drpListSurat" runat="server" Value="Surat">Surat</asp:ListItem>
<asp:ListItem ID="drpListRajkot" runat="server" Value="Rajkot">Rajkot</asp:ListItem>
</asp:DropDownList>
</p>
<p>
Pincode: <asp:TextBox ID="txtPincode" runat="server" />
</p>
<p>
Phone: <asp:TextBox ID="txtPhone" runat="server" MaxLength="10" />
</p>
```

```

    />
</p>
<p>
Qualification: <asp:RadioButton ID="radDiploma" runat="server"
GroupName="qualification" Text="Diploma"/>
<asp:RadioButton ID="radDegree" runat="server" GroupName="qualification"
Text="Degree"/>
<asp:RadioButton ID="radMasters" runat="server" GroupName="qualification"
Text="Masters"/>
</p>
<p>
Specialization Subject: <asp:TextBox ID="txtSpeSub" runat="server"/>
</p>
<p>
Percentage: <asp:TextBox ID="txtPercentage" runat="server" />
</p>
<p>
<asp:Button ID="submitButton" runat="server" Text="Submit" />
</p>

<asp:Panel ID="resultPanel" runat="server">
First Name : <asp:Label ID="lblFname" runat="server" Text="" />
<br />
Surname : <asp:Label ID="lblLName" runat="server" Text="" />
<br />
Gender: <asp:Label ID="lblGender" runat="server" Text="" />
<br />
Address :
<asp:Label ID="lblAddress" runat="server" Text="" />
<br />
City : <asp:Label ID="lblCity" runat="server" Text="" />
<br />
Pincode : <asp:Label ID="lblPincode" runat="server" Text="" />
<br />
Phone : <asp:Label ID="lblPhone" runat="server" Text="" />
<br />
Qualification :
<asp:Label ID="lblQualification" runat="server" Text=""></asp:Label>
<br />
Specialization Subject : <asp:Label ID="lblSpeSubject" runat="server" Text="" />
<br />
Percentage : <asp:Label ID="lblPercentage" runat="server" Text="" />
<br />
</asp:Panel>

</form>
</body>
</html>

```

Resume.aspx.vb

```

Public Class _Resume
Inherits System.Web.UI.Page

Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
resultPanel.Visible = False

```

End Sub

```
Protected Sub submitButton_Click(ByVal sender As Object, ByVal e As EventArgs) Handles submitButton.Click
resultPanel.Visible = "True"
lblFname.Text = txtFname.Text
lblLName.Text = txtLname.Text
If rdoMale.Checked = True Then
lblGender.Text = rdoMale.Text
Else
lblGender.Text = rdoFemale.Text
End If
lblAddress.Text = txtAddress.Text
lblCity.Text = drpCity.Text
lblPincode.Text = txtPincode.Text
lblPhone.Text = txtPhone.Text
If radDiploma.Checked = True Then
lblQualification.Text = "Diploma"
ElseIf radDegree.Checked = True Then
lblQualification.Text = "Degree"
Else
lblQualification.Text = "Masters"
End If
lblSpeSubject.Text = txtSpeSub.Text
lblPercentage.Text = txtPercentage.Text
```

End Sub

End Class

Result :

The screenshot shows a web browser window with the URL `localhost:62553/Resume.aspx`. The page displays a form for submitting a resume. The form fields are as follows:

- First Name: Ishan
- Surname: Jagani
- Gender: Male Female
- Address: Nikoi, Ahmedabad
- City: Ahmedabad
- Pincode: 382340
- Phone: 9898912375
- Qualification: Diploma Degree Masters
- Specialization Subject: Java
- Percentage: 91.7

A labeled "Submit" is at the bottom of the form.

Screenshot of a web browser showing a resume submission form. The form fields include:

- First Name: Ishan
- Surname: Jagani
- Gender: Male (radio button selected)
- Address: Nikol, Ahmedabad
- City: Ahmedabad
- Pincode: 382340
- Phone: 9898912375
- Qualification: Diploma (radio button selected)
- Specialization Subject: Java
- Percentage: 91.7

The form also displays the entered data below the fields:

First Name : Ishan
Surname : Jagani
Gender: Male
Address : Nikol, Ahmedabad
City : Ahmedabad
Pincode : 382340
Phone : 9898912375
Qualification : Diploma
Specialization Subject : Java
Percentage : 91.7

Activate Windows
Go to Settings to activate Windows.

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 5

Aim : Create a web form where user enters following marks. ASP.NET, JAVA, ISS, Project (All out of 100). When user submits the marks, numeric value validation must be done. On entering marks, the grade should be displayed in message box .

Result.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="WebForm1.aspx.vb"
Inherits="Practical_5.WebForm1" %>

<!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>
<style type="text/css">
.style1
{
width: 302px;
}
</style>
</head>
<body>
<form id="marksheetForm" runat="server">
<div>

<table style="width:100%;">
<tr>
<td class="style1">
Asp.net </td>
<td>
<asp:TextBox ID="txtAsp" runat="server"></asp:TextBox>
</td>
<td>
<asp:Label ID="lblASP" runat="server" Text=""></asp:Label>
</td>
</tr>
<tr>
<td class="style1">
Java</td>
<td>
<asp:TextBox ID="txtJava" runat="server"></asp:TextBox>
</td>
<td>
<asp:Label ID="lblJava" runat="server" Text=""></asp:Label>
</td>
</tr>
<tr>
<td class="style1">
ICN</td>
<td>
<asp:TextBox ID="txtIcn" runat="server"></asp:TextBox>
</td>
<td>
```

```

<asp:Label ID="lblIcn" runat="server" Text=""></asp:Label>
</td>
</tr>
<tr>
<td class="style1">
ENS</td>
<td>
<asp:TextBox ID="txtEns" runat="server"></asp:TextBox>
</td>
<td>
<asp:Label ID="lblEns" runat="server" Text=""></asp:Label>
</td>
</tr>
<tr>
<td></td>
<td>
<asp:Button ID="viewResultBtn" runat="server" Text="Submit" Width="126px" />
</td>
<td></td>
</tr>
</table>

</div>
</form>
</body>
</html>

```

Result.aspx.vb

```

Public Class WebForm1
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Private Function getMyGrade(ByVal p1 As String) As String
        If p1 > 90 And p1 <= 100 Then
            Return "AA"
        ElseIf p1 > 80 And p1 <= 90 Then
            Return "AB"
        ElseIf p1 > 70 And p1 <= 80 Then
            Return "BB"
        ElseIf p1 > 60 And p1 <= 70 Then
            Return "BC"
        ElseIf p1 > 50 And p1 <= 60 Then
            Return "CC"
        ElseIf p1 > 40 And p1 <= 50 Then
            Return "DD"
        Else
            Return "Fail"
        End If
    End Function

    Protected Sub viewResultBtn_Click(ByVal sender As Object, ByVal e As EventArgs)
Handles viewResultBtn.Click
        lblASP.Text = getMyGrade(txtAsp.Text)
        lblJava.Text = getMyGrade(txtJava.Text)
        lblIcn.Text = getMyGrade(txtIcn.Text)
        lblEns.Text = getMyGrade(txtEns.Text)
    End Sub

```

End Class

Result :

A screenshot of a web browser window titled "localhost:51966/Result.aspx". The page contains a form with four input fields and a submit button. The input fields are labeled "Asp.net", "Java", "ICN", and "ENS". The values entered are 91, 71, 41, and 30 respectively. Below the input fields is a "Submit" button.

Activate Windows
Go to Settings to activate Windows.

A screenshot of a web browser window titled "localhost:51966/Result.aspx". The page displays the same form as the previous screenshot, but now includes grade results on the right side. The grades are AA, BB, DD, and Fail, corresponding to the scores 91, 71, 41, and 30 respectively.

Activate Windows
Go to Settings to activate Windows.

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical: 6

Aim : Create a Simple Calculator with Validation and Details

Calculator.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Calculator.aspx.vb"
Inherits="Practical_06.Calculator" %>

<!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="tbA" runat="server" />
            <asp:RequiredFieldValidator ID="rfvA" runat="server" ControlToValidate="tbA"
ErrorMessage="Enter A" ForeColor="Red" />
            <asp:RangeValidator ID="rnvA" runat="server" ControlToValidate="tbA"
ErrorMessage="Invalid Value" Type="Double" MinimumValue="0.0" MaximumValue="65536.0"
ForeColor="Red" />

            <asp:TextBox ID="tbB" runat="server" />
            <asp:RequiredFieldValidator ID="rfvB" runat="server" ControlToValidate="tbB"
ErrorMessage="Enter B" ForeColor="Red" />
            <asp:RangeValidator ID="rnvB" runat="server" ControlToValidate="tbB"
ErrorMessage="Invalid Value" Type="Double" MinimumValue="0.0" MaximumValue="65536.0"
ForeColor="Red" />

            <asp:DropDownList ID="drpOp" runat="server">
                <asp:ListItem>+</asp:ListItem>
                <asp:ListItem>-</asp:ListItem>
                <asp:ListItem>*</asp:ListItem>
                <asp:ListItem>/</asp:ListItem>
                <asp:ListItem>%</asp:ListItem>
            </asp:DropDownList>

            <asp:Button ID="btnCalculate" runat="server" Text="Calculate" />
            <asp:Label ID="lblAnswer" runat="server" />
        </div>
    </form>
</body>
</html>
```

Calculator.aspx.vb

```

Public Class Calculator
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

        End Sub

        Protected Sub btnCalculate_Click(ByVal sender As Object, ByVal e As EventArgs)
Handles btnCalculate.Click
            If CInt(tbB.Text) = 0 Then
                Response.Write("Cannot Divide by 0")
            ElseIf drpOp.Text = "+" Then
                lblAnswer.Text = CDbl(tbA.Text) + CDbl(tbB.Text)
            ElseIf drpOp.Text = "-" Then
                lblAnswer.Text = CDbl(tbA.Text) - CDbl(tbB.Text)
            ElseIf drpOp.Text = "*" Then
                lblAnswer.Text = CDbl(tbA.Text) * CDbl(tbB.Text)
            ElseIf drpOp.Text = "/" Then
                lblAnswer.Text = CDbl(tbA.Text) / CDbl(tbB.Text)
            ElseIf drpOp.Text = "%" Then
                lblAnswer.Text = CDbl(tbA.Text) Mod CDbl(tbB.Text)

        End If

    End Sub
End Class

```

Output :**Addition:**

A screenshot of a web browser window titled "localhost:63322/Calculator.aspx". The page displays a simple calculator interface with two input fields containing "12.35" and "11.94", and a result field showing "24.29". Below the input fields is a "Calculate" button.

Subtraction:

A screenshot of a web browser window titled "localhost:63322/Calculator.aspx". The page displays a simple calculator interface with two input fields containing "20" and "15", and a result field showing "5". Below the input fields is a "Calculate" button.

Multiplication:

A screenshot of a web browser window titled "localhost:63322/Calculator.aspx". The page displays a simple calculator interface with two input fields containing "11.11" and "2.34", and a result field showing "25.9974". Below the input fields is a "Calculate" button.

Division:

A screenshot of a web browser window titled "localhost:63322/Calculator.aspx". The page displays a simple calculator interface with two input fields containing "10" and "5", and a result field showing "2". Below the input fields is a "Calculate" button.

Modulo:

A screenshot of a web browser window titled "localhost:63322/Calculator.aspx". The page displays a simple calculator interface with two input fields containing "10" and "5", and a result field showing "0". Below the input fields is a "Calculate" button.

Errors :

The image contains two screenshots of a web browser displaying a calculator application at localhost:63322/Calculator.aspx.

Screenshot 1: Shows a division operation where the divisor is 0. A red error message "Cannot Divide by 0" is displayed above the first input field. The inputs are 1 and 0, and the output is 0.

Screenshot 2: Shows a multiplication operation where one of the inputs is 635566. A red error message "Invalid Value" is displayed above the second input field. The inputs are "Enter A" and 635566, and the output is 0.

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical – 7

Aim : Create a web page using the concept of cascading style sheets in ASP.NET.

CSSDemo.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="CSSDemo.aspx.vb"
Inherits="Practical_07.WebForm1" %>

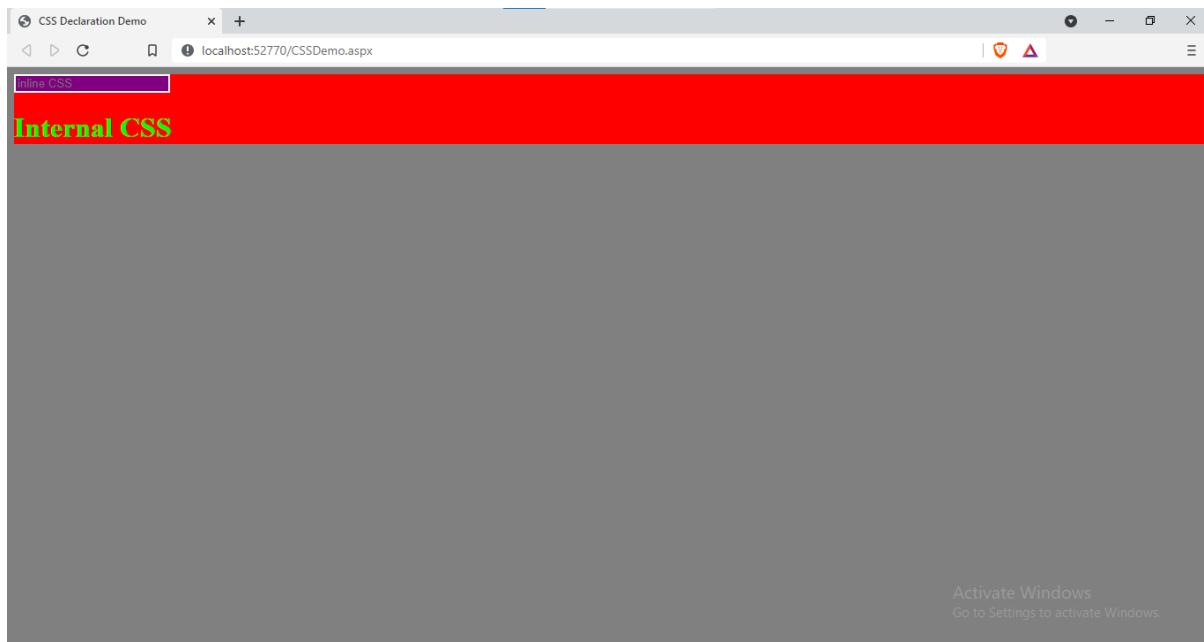
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>CSS Declaration Demo</title>
    <link rel="stylesheet" type="text/css" href="CSSDemo.css" />
    <style type="text/css">
        h1
        {
            color:Lime;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <input type="text" style="background-color:Purple; border:2px solid
white;" placeholder="inline CSS" />
            <h1> Internal CSS </h1>
        </div>
    </form>
</body>
</html>
```

CSSDemo.css

```
body
{
    background-color: Gray;
}
div
{
    background-color: Red;
}
```

Output :



| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical – 8

Aim : Create a web page using the concept of Theme & Skin in ASP.NET.

ThemeAndSkin.aspx

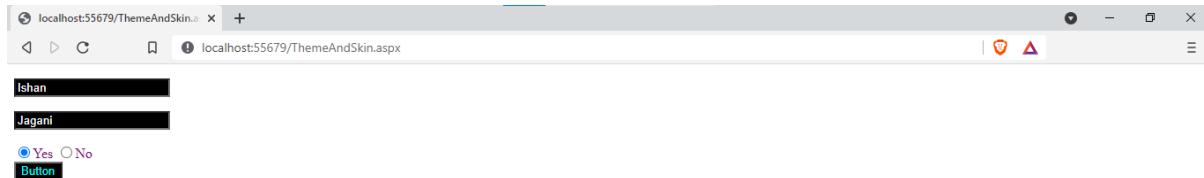
```
<%@ Page Theme="MyTheme" Language="vb" AutoEventWireup="false"
CodeBehind="ThemeAndSkin.aspx.vb" Inherits="Practical_08.ThemeAndSkin" %>

<!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">
        <p>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        </p>
        <p>
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        </p>
        <asp:RadioButton ID="RadioButton1" GroupName="bool" runat="server" Text="Yes" />
        <asp:RadioButton ID="RadioButton2" GroupName="bool" runat="server" Text="No" />
        <br />
        <asp:Button ID="Button1" runat="server" Text="Button" />
    </form>
</body>
</html>
```

Controls.skin

```
<asp:TextBox runat="server" BackColor="Black" ForeColor="White" />
<asp:RadioButton runat="server" ForeColor="Purple" />
<asp:Button runat="server" BackColor="Black" ForeColor="Cyan" />
```

Output:

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 9

Aim : Create Home page of your website using master page concept.

HeaderFooter.Master

```
<%@ Master Language="VB" AutoEventWireup="false" CodeBehind="HeaderFooter.master.vb"
Inherits="Practical_09.HeaderFooter" %>

<!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 id="Head1" runat="server">
    <title>Milk Prism</title>
    <style type="text/css">
        #header{
            color: #247BA0;
            text-align: center;
            font-size: 20px;
        }
        #nav{
            background-color:Blue;
            padding: 5px;
        }
        li a {
            color: #F1FAEE;
            font-size: 30px;
            column-width: 5%;
        }
        li
        {
            display: inline;
            padding-left: 2px;
            column-width: 20px;
        }
        a{
            text-decoration: none;
            margin-left:20px
        }
        li a:hover{
            background-color: #F3FFBD;
            color: #FF1654;
            padding:1%
        }
        #footer{
            background-color: #C7EFCF;
            text-align:center;
            padding-bottom: 5%;
            font-size: 20px;
        }
        #con{
            border:double;
            border-color:Fuchsia;
        }
    </style>
```

```
<asp:ContentPlaceHolder ID="head" runat="server">
</asp:ContentPlaceHolder>
</head>
<!DOCTYPE html>
<body>
<header id="header">
<h1>MilkPrism</h1>
</header>
<nav id="nav">
<ul>
<li><a href="home.aspx">Find Us</a></li>
<li><a href="#">Contact Us</a></li>
<li><a href="#">Login</a></li>
<li><a href="#">Sign Up</a></li>
</ul>
</nav>

<div id="con">
<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
</asp:ContentPlaceHolder>
</div>

<footer id="footer">
insta : milkprism
fb : milkprism
</footer>
</body>
</html>
```

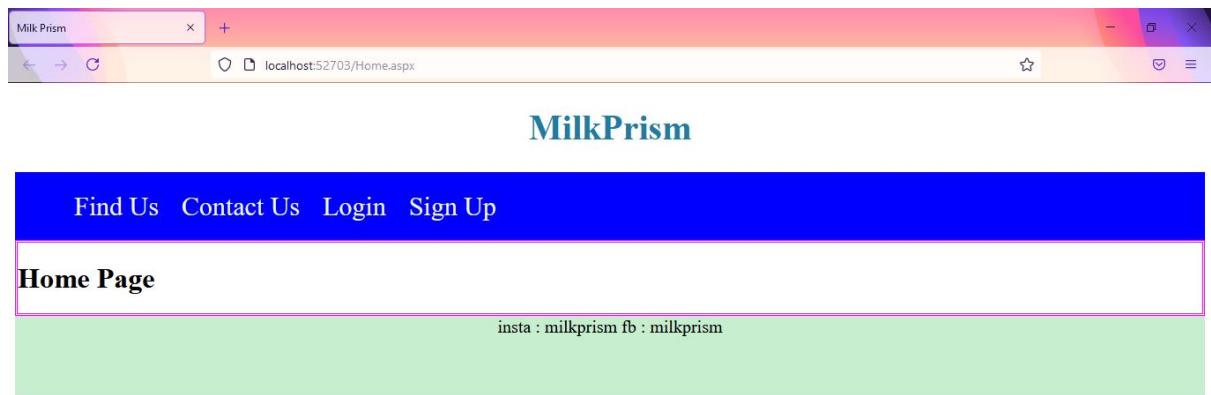
Home.aspx

```
<%@ Page Title="" Language="vb" AutoEventWireup="false"
MasterPageFile="~/HeaderFooter.Master" CodeBehind="Home.aspx.vb"
Inherits="Practical_09.Home" %>

<asp:Content ID="Content1" ContentPlaceholderID="head" runat="server">
</asp:Content>

<asp:Content ID="Content2" ContentPlaceholderID="ContentPlaceHolder1" runat="server">
<h1>Home Page</h1>
</asp:Content>
```

Output :



| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 10

Aim : Create a simple web application to illustrate the concept of nesting master page in ASP.NET.

Master.Master

```
<%@ Master Language="VB" AutoEventWireup="false" CodeBehind="Master.master.vb"
Inherits="Practical_10.Master" %>

<!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>
    <asp:ContentPlaceHolder ID="head" runat="server">
        </asp:ContentPlaceHolder>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <table cellpadding="5px" style="border:3px Solid Red;">
                <tr>
                    <td colspan="2" align="center">
                        Header Part
                    </td>
                </tr>
                <tr>
                    <td width="20%" colspan="2">
                        &ampnbsp<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
                            </asp:ContentPlaceHolder>
                        </td>
                </tr>
                <tr>
                    <td colspan="2" align="center">
                        Footer Part
                    </td>
                </tr>
            </table>
        </div>
    </form>
</body>
</html>
```

SideBar.master

```
<%@ Master Language="VB" MasterPageFile "~/Master.Master" AutoEventWireup="false"
CodeBehind="SideBar.master.vb" Inherits="Practical_10.SideBar" %>
<asp:Content ID="Content1" ContentPlaceholderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceholderID="ContentPlaceHolder1" runat="server">
    <table width="60%" style="border:2px dotted blue;">
        <tr>
            <td width="40%">Sidebar</td>
```

```

<td><asp:ContentPlaceHolder ID="cph"
runat="server"></asp:ContentPlaceHolder></td>
</tr>
</table>
</asp:Content>

```

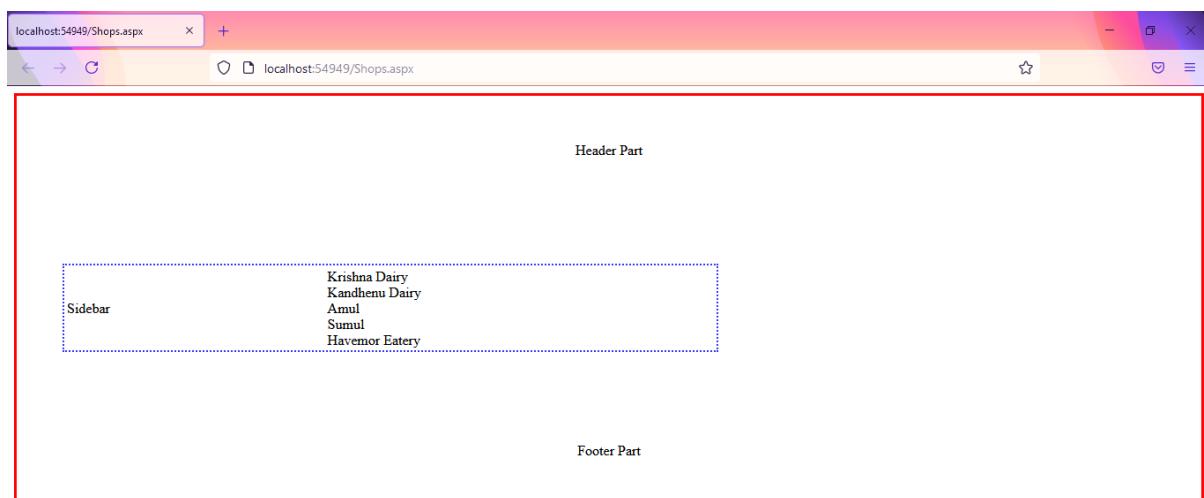
Shops.aspx

```

<%@ Page Title="" Language="vb" AutoEventWireup="false"
MasterPageFile="~/SideBar.master" CodeBehind="Shops.aspx.vb"
Inherits="Practical_10.Shops" %>
<asp:Content ID="Content1" ContentPlaceholderID="cph" runat="server">
    Krishna Dairy
    <br />
    Kandhenu Dairy
    <br />
    Amul
    <br />
    Sumul
    <br />
    Havemor Eatery
</asp:Content>

```

Output :



Activate Windows
Go to Settings to activate Windows.

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 11

Aim: Develop a web page to implement the concept of state management using Cookies.

WebForm1.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="WebForm1.aspx.vb"
Inherits="Practical_11.WebForm1" %>

<!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:Button ID="btn1" runat="server" Text="Write to Cookies" />
        </div>
    </form>
</body>
</html>
```

WebForm1.aspx.vb

```
Public Class WebForm1
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

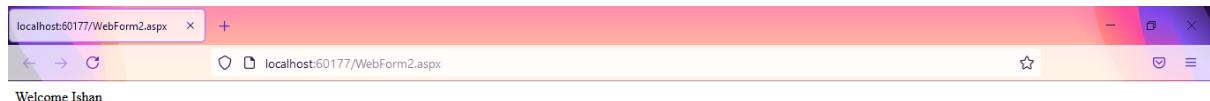
    Protected Sub btn1_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btn1.Click
        Dim ck As New HttpCookie("MyCookie")
        ck.Values.Add("Username", "Ishan")
        ck.Expires = Now.AddMonths(2)
        Response.Cookies.Add(ck)
        Response.Redirect("WebForm2.aspx")
    End Sub
End Class
```

WebForm2.aspx.vb

```
Public Class WebForm2
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
        Response.Write("Welcome " & Request.Cookies("myCookie").Values("Username"))

    End Sub
End Class
```

Output :

Welcome Ishan

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 12

Aim: Develop a web page to implement the concept of state management using Session and Application.

First.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="First.aspx.vb"
Inherits="Practical_12.First" %>

<!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="tb1" runat="server"></asp:TextBox>
            <asp:Button ID="Button1" runat="server" Text="Login" />

        </div>
    </form>
</body>
</html>
```

First.aspx.vb

```
Public Class First
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

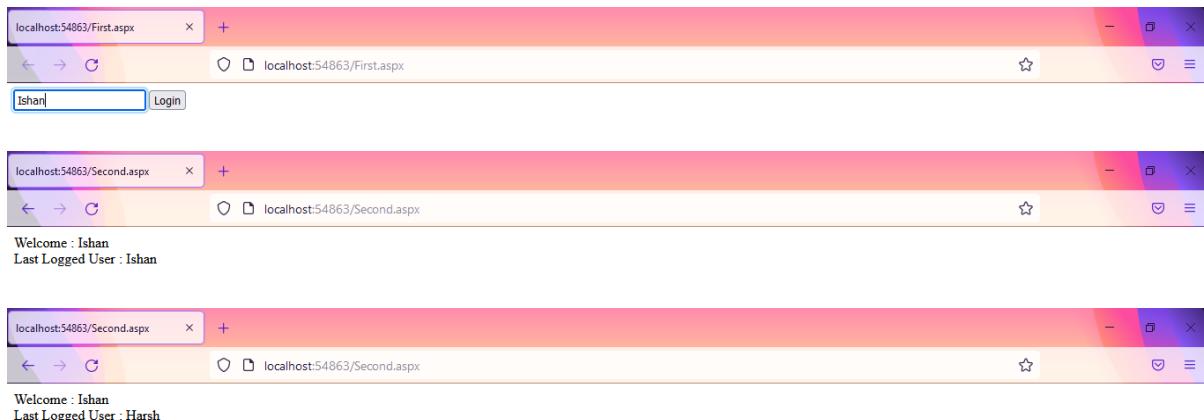
    Protected Sub Button1_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
Button1.Click
        Session("username") = tb1.Text
        Application("lastuser") = tb1.Text
        Response.Redirect("Second.aspx")
    End Sub
End Class
```

Second.aspx.vb

```
Public Class Second
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
        Response.Write("Welcome : " & Session("username"))
        Response.Write("<br />Last Logged User : " & Application("lastuser"))
    End Sub

End Class
```

Output :

| Start Date | End/sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 13

Aim: Develop a web page to implement the concept of state management using ViewState and QueryString.

First.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="First.aspx.vb"
Inherits="Practical_13.First" %>

<!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>
            First Name
            <asp:TextBox ID="tb1" runat="server" />
            &nbsp;
            Last Name
            <asp:TextBox ID="tb2" runat="server" />
            <br />
            <br />
            <asp:Button ID="btn" runat="server" Text="Click Me" />
            <br />
            <a href="Second.aspx?word1=abcd...&word2=xyz">Click Here</a>
            <br />
            <asp:HyperLink ID="hl1" runat="server"
NavigateUrl("~/Second.aspx?word1=Baburao&word2=Apte" Text="FullName Here" />
        </div>
    </form>
</body>
</html>
```

First.aspx.vb

```
Public Class First
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub btn_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btn.Click
        Response.Redirect("Second.aspx?word1=" & tb1.Text & "&word2=" & tb2.Text)
    End Sub
End Class
```

Second.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Second.aspx.vb"
Inherits="Practical_13.Second" %>

<!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>
            Welcome To Home Page.
        </div>
    </form>
</body>
</html>
```

Second.aspx.vb

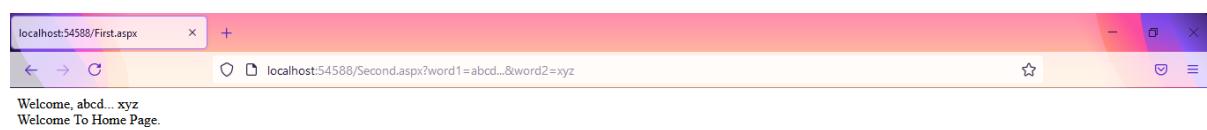
```
Public Class Second
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
        Response.Write("Welcome, " & Request.QueryString("word1"))
        Response.Write(" " & Request.QueryString("word2"))
    End Sub
End Class
```

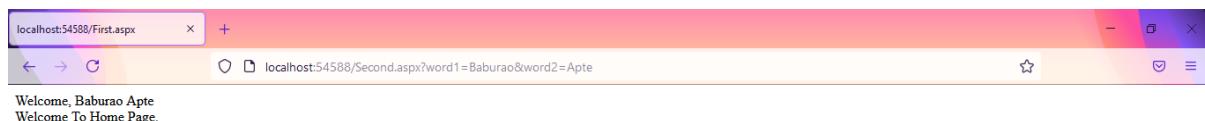
Output :



Using a tag :



Using HyperLink tag :



Welcome, Baburao Apte
Welcome To Home Page.

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 14

Aim: Create a web application using Global.asax file which will count the number of visitors on web page.

Home.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_14.Home" %>

<!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>

        </div>
    </form>
</body>
</html>
```

Home.aspx.vb

```
Public Class Home
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
        Session.Timeout = 1
        Response.Write("Total Visitors : " & Application("visitor"))
        Response.Write("<br />Total Online : " & Application("online"))

    End Sub
End Class
```

Global.asax.vb

```
Imports System.Web.SessionState

Public Class Global_asax
    Inherits System.Web.HttpApplication

    Sub Application_Start(ByVal sender As Object, ByVal e As EventArgs)
        Application("visitor") = 0
        Application("online") = 0
    End Sub

    Sub Session_Start(ByVal sender As Object, ByVal e As EventArgs)
```

```

        Application("visitor") += 1
        Application("online") += 1
    End Sub

    Sub Application_BeginRequest(ByVal sender As Object, ByVal e As EventArgs)
    End Sub

    Sub Application_AuthenticateRequest(ByVal sender As Object, ByVal e As EventArgs)
    End Sub

    Sub Application_Error(ByVal sender As Object, ByVal e As EventArgs)
    End Sub

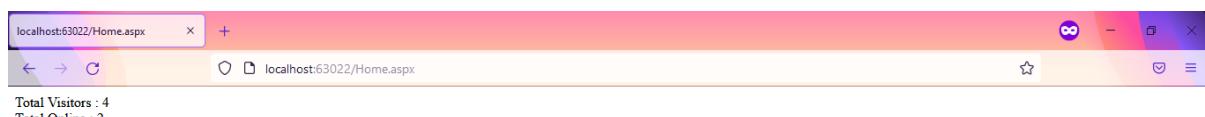
    Sub Session_End(ByVal sender As Object, ByVal e As EventArgs)
        Application("online") -= 1
    End Sub

    Sub Application_End(ByVal sender As Object, ByVal e As EventArgs)
    End Sub

End Class

```

Output :



| Start Date | End/sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 15

Aim: Use various tags in Web.config file for ASP.NET configuration.

Home.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_15.Home" %>

<!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>

        </div>
    </form>
</body>
</html>
```

Home.aspx.vb

```
Public Class Home
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
        Response.Write(ConfigurationManager.AppSettings("Title"))
        Response.Write("<br>Website Version : " &
ConfigurationManager.AppSettings("Version"))
    End Sub

End Class
```

Web.config

```
<?xml version="1.0"?>

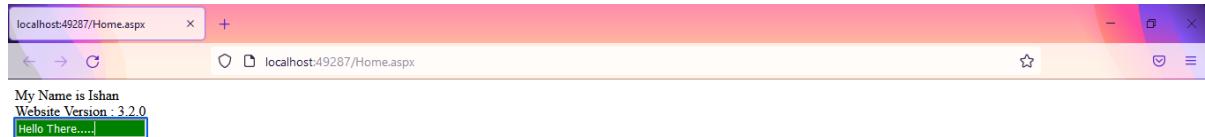
<configuration>
    <system.web>
        <pages theme="Green" />
        <compilation debug="true" strict="false" explicit="true" targetFramework="4.0" />
    </system.web>
    <appSettings>
        <add key="Version" value="3.2.0"/>
        <add key="Title" value="My Name is Ishan"/>
    </appSettings>
```

```
</configuration>
```

Green.skin

```
<asp:TextBox runat="server" BackColor="Green" ForeColor="White" />
```

Output :



| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 16

Aim: Write sample application to connect to database (connection object), Fetching and inserting data from database (command object) and using Data Reader.

First.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="First.aspx.vb"
Inherits="Practical_16.First" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="btnFetch" runat="server" Text="Fetch Data" />
            <asp:Button ID="btnInsert" runat="server" Text="Insert Random Data" />
            <br />
            <asp:DropDownList ID="drpFetch" runat="server" AutoPostBack="true" />
        </div>
    </form>
</body>
</html>
```

First.aspx.vb

```
Public Class First
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub btnFetch_Click(sender As Object, e As EventArgs) Handles
btnFetch.Click
        Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\Studen
ts.mdf;Integrated Security=True;Connect Timeout=30")
        Dim cmd As New SqlClient.SqlCommand("select Area from students", con)
        Dim dr As SqlClient.SqlDataReader

        con.Open()
        dr = cmd.ExecuteReader()
        While dr.Read()
            drpFetch.Items.Add(dr.Item(0))
            'Response.Write(dr("ID") & dr(1) & dr(2) & "<br>")
        End While
        con.Close()

    End Sub
```

```

Protected Sub btnInsert_Click(sender As Object, e As EventArgs) Handles
btnInsert.Click
    Dim fname As String
    Dim lname As String
    Dim Area As String
    Dim Position As String

    fname = "Bhole"
    lname = "Bhandari"
    Area = "Himalayas"
    Position = "God"

    Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\Studen
ts.mdf;Integrated Security=True;Connect Timeout=30")
    Dim cmd As New SqlClient.SqlCommand("insert into students values('" & 4 &
"', '" & fname & "','" & lname & "','" & Area & "','" & Position & "')", con)
    con.Open()
    cmd.ExecuteNonQuery()
    con.Close()

    Response.Write("Random Data Inserted Successfully")

    con.Open()
End Sub
End Class

```

Output :

Dummy Data in Database :

| Id | Fname | Lname | Area | Position |
|------|--------|--------|-----------|----------|
| 1 | Ishan | Jagani | Ahmedabad | Student |
| 2 | Kuldip | Jagani | Ahmedabad | Student |
| 3 | Subham | Dave | Paldi | Student |
| NULL | NULL | NULL | NULL | NULL |

Fetching Data From Database into DropDownList :

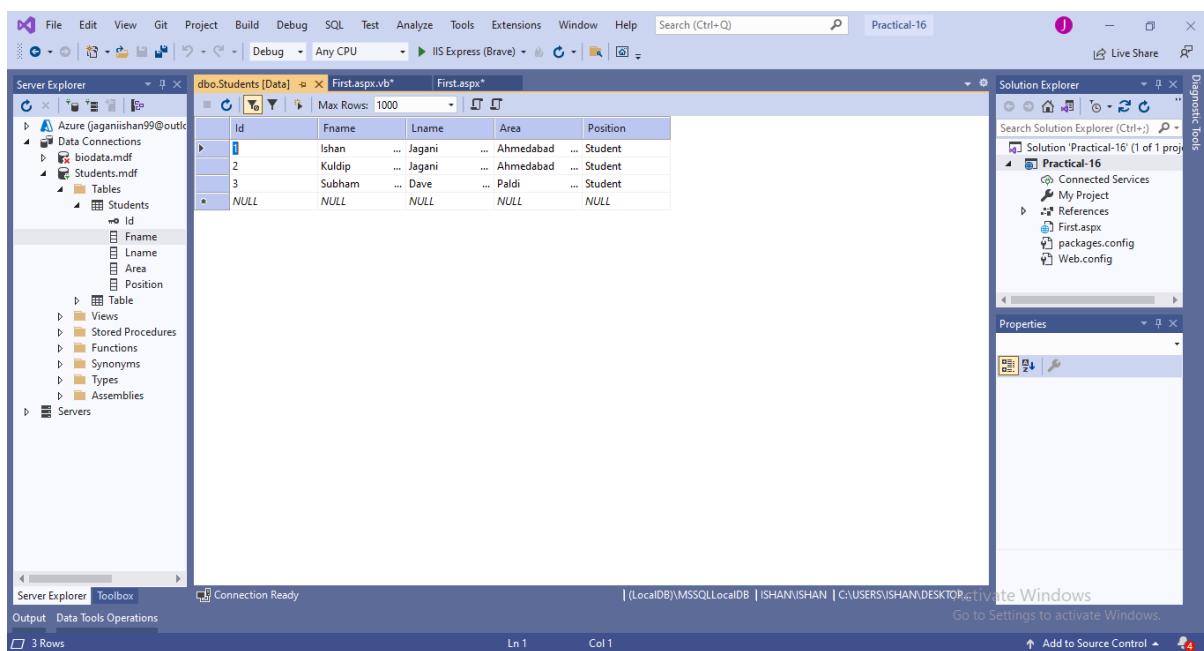


After Fetching :



Inserting Data Into Database :

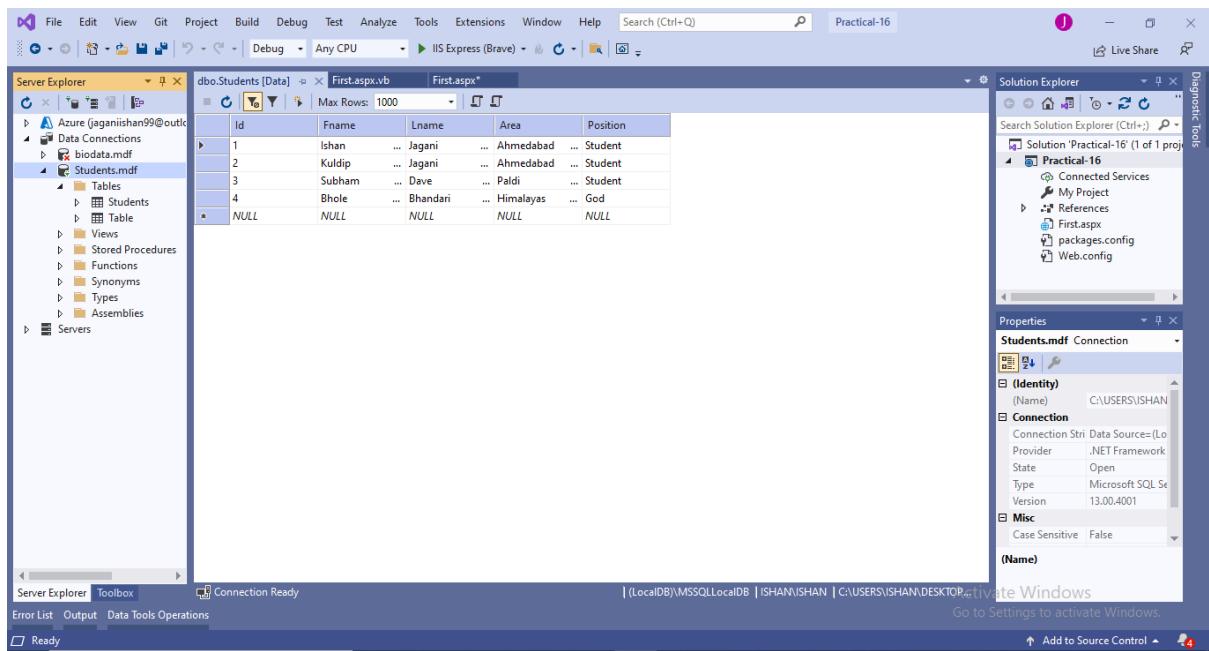
Before Inserting:



Inserted Data :



After Inserting Data :



| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 17

Aim: Create a Web page and test the connectivity of your database with biodata form in exercise 1. If connected, display the message that connection with database is successful, and redirect the user to his homepage

First.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="First.aspx.vb"
Inherits="Practical_17.First" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Name :
            <asp:TextBox ID="txtName" runat="server" />
            <br />
            Enrollment :
            <asp:TextBox ID="txtEnroll" runat="server" MaxLength="12" />
            <br />
            Password :
            <asp:TextBox ID="txtPwd" runat="server" TextMode="Password" />
            <br />
            <asp:Button ID="submit" runat="server" Text="Submit" />
        </div>
    </form>
</body>
</html>
```

First.aspx.vb

```
Public Class First
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
    End Sub

    Protected Sub submit_Click(sender As Object, e As EventArgs) Handles submit.Click
        Dim conCheck As String

        Try
            Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\First.mdf;Integr
ated Security=True;Connect Timeout=30")
            con.Open()
            conCheck = con.State = ConnectionState.Open

        Catch ex As Exception
        End Try
    End Sub
End Class
```

```

        Response.Write("Connection Unsuccessful")
    End Try

    If conCheck = True Then
        Response.Redirect("Home.aspx")
    End If
End Sub
End Class

```

Home.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_17.Home" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="lblGreet" runat="server" Text="Your Connection was
Successful and You are Redirected to the Home Page" />
        </div>
    </form>
</body>
</html>

```

Database:

The screenshot shows the Microsoft Visual Studio interface with the following windows open:

- Server Explorer:** Shows the database structure for "First.mdf" under "Data Connections". It lists Tables, Views, Stored Procedures, Functions, Synonyms, Types, and Assemblies.
- dbo.Table [Design] / dbo.Table.sql:** The "Design" tab shows a table structure with columns: Id (int, primary key), name (nchar(10)), enroll (int), and password (nchar(10)). The "T-SQL" tab displays the CREATE TABLE SQL script.
- Solution Explorer:** Shows the solution "Practical-17" containing "My Project", "References", "First.aspx", "Home.aspx", and "Web.config".
- Properties:** The "Table" properties are displayed, showing the schema is "dbo".

Output :

A screenshot of a web browser window titled "localhost:49992/First.aspx". The page contains three text input fields: "Name : Ishan", "Enrollment : 196230316042", and "Password :". Below these fields is a "Submit" button.

A screenshot of a web browser window titled "localhost:49992/Home.aspx". The page displays the message "Your Connection was Successful and You are Redirected to the Home Page".

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 18

Aim: Create a login page in your web application. Login page must have user name and password fields. If user enters correct ID, Password, he must be redirected to the homepage of your website.

Login.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Login.aspx.vb"
Inherits="Practical_18.Login" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Username :
            <asp:TextBox ID="txtUname" runat="server" />
            <br />
            <br />
            Password :
            <asp:TextBox ID="txtPwd" runat="server" TextMode="Password" />
            <br />
            <br />
            <asp:Button ID="login" runat="server" Text="Login" OnClick="Login_Click" />
        </div>
    </form>
</body>
</html>
```

Login.aspx.vb

```
Imports System.Data.SqlClient

Public Class Login
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub Login_Click(sender As Object, e As EventArgs) Handles login.Click
        Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\students.mdf;Int
egrated Security=True;Connect Timeout=30")
        Dim cmd As New SqlClient.SqlCommand("Select * from students where username =
'" & txtUname.Text & "' and password= '" & txtPwd.Text & "'", con)
        Dim ad As New SqlDataAdapter(cmd)
        Dim ds As New DataSet
```

```

        con.Open()
        ad.Fill(ds)
        con.Close()

        If ds.Tables(0).Rows.Count > 0 Then
            Response.Redirect("Home.aspx")
        Else
            Response.Write("Invalid Username or Password")
        End If
    End Sub

End Class

```

Home.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_18.Home" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Login Was Successful and you are Redirected to Home Page
        </div>
    </form>
</body>
</html>

```

Database :

Database Format :

The screenshot shows the Microsoft Visual Studio interface with the following details:

- Server Explorer:** Shows a connection to "Azure (jaganishan99@outlook.com)" and a database named "students.mdf" containing a single table named "[Table]".
- Database Explorer:** Displays the schema of the "[Table]" table, which has three columns: "Id" (int, primary key), "username" (nchar(10)), and "password" (nchar(10)).
- T-SQL Editor:** Shows the CREATE TABLE statement for the "[Table]" table.
- Solution Explorer:** Lists the project "Practical-18" with files "Connected Services", "My Project", "References", "Home.aspx", "Login.aspx", "packages.config", and "Web.config".
- Properties:** Shows the properties for the selected file.
- Status Bar:** Shows the message "Add to Source Control" and a small icon.

Records in Database :

The screenshot shows the Microsoft Visual Studio interface. In the Server Explorer, under the 'Data Connections' section, the 'students.mdf' database is selected. The 'Tables' node is expanded, and the 'Table' item is selected, showing a grid of data. The columns are 'Id', 'username', and 'password'. There are three rows: one with Id 1, username 'ishan', and password 'ishan'; one with Id 2, username 'User', and password 'user'; and a third row where all values are NULL. The Solution Explorer shows a project named 'Practical-18' with files like Home.aspx, Login.aspx, packages.config, and Web.config. The Output window shows a message from 'iisexpress.exe' indicating it has exited with code -1.

Output :

The screenshots show a web browser interface. The top screenshot displays a login form with two text input fields: 'Username : Ishan' and 'Password : ****'. Below the password field is a 'Login' button. The bottom screenshot shows a success message: 'Login Was Successful and you are Redirected to Home Page'.

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 19

Aim: Create a web page to insert user biodata information with all validations in to the database

Form.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Form.aspx.vb"
Inherits="Practical_19.Form" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <strong>Bio-Data From</strong><br />
            <br />
            First Name : <asp:TextBox ID="txtfname" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="rfvFname" runat="server" ErrorMessage="" ControlToValidate="txtfname" ForeColor="Red"></asp:RequiredFieldValidator>
            <br />
            <br />
            Last Name :
            <asp:TextBox ID="txtlname" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="rfvLname" runat="server" ErrorMessage="" ControlToValidate="txtlname" ForeColor="Red"></asp:RequiredFieldValidator>
            <br />
            <br />
            Age :
            <asp:TextBox ID="txtAge" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="rfvAge" runat="server" ErrorMessage="" ControlToValidate="txtAge" ForeColor="Red"></asp:RequiredFieldValidator>
            <asp:RangeValidator ID="RangeValidator1" runat="server" ErrorMessage="Please Enter Valid Age !!!" ControlToValidate="txtAge" Type="Integer" MaximumValue="100" MinimumValue="18" ForeColor="Red"></asp:RangeValidator>
            <br />
            <br />
            Gender :&nbsp;
            <asp:RadioButton ID="radMale" runat="server" GroupName="gender" Text="Male" />
            <asp:RadioButton ID="radfemale" runat="server" GroupName="gender" Text="Female" />
            <br />
            <br />
            Phone :
            <asp:TextBox ID="txtPhone" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="rfvPhone" runat="server" ErrorMessage="" ControlToValidate="txtPhone" ForeColor="Red"></asp:RequiredFieldValidator>
            <br />
            <br />
            Qualification :
            <asp:DropDownList ID="drpQualification" runat="server">

```

```

        <asp:ListItem>Diploma</asp:ListItem>
        <asp:ListItem>BE</asp:ListItem>
        <asp:ListItem>Masters</asp:ListItem>
    </asp:DropDownList>
    <asp:RequiredFieldValidator ID="rfvQualification" runat="server"
ErrorMessage="*" ControlToValidate="drpQualification"
ForeColor="Red"></asp:RequiredFieldValidator>
    <br />
    <br />
    <asp:Button ID="btnSubmit" runat="server" Text="Submit" />

    <br />
    <br />
    <asp:Label ID="successLabel" runat="server" Text="" 
ForeColor="LightGreen"></asp:Label>

    </div>
</form>
</body>
</html>

```

Form.aspx.vb

```

Public Class Form
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub
    Protected Sub btnSubmit_Click1(sender As Object, e As EventArgs) Handles
btnSubmit.Click
        Dim qualification As String
        Dim gender As String
        Dim ans As Integer

        If radMale.Checked Then
            gender = "Male"
        Else
            gender = "Female"
        End If

        If drpQualification.SelectedIndex = 0 Then
            qualification = "Diploma"
        ElseIf drpQualification.SelectedIndex = 1 Then
            qualification = "BE"
        Else
            qualification = "Masters"
        End If

        Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\biodat
a.mdf;Integrated Security=True;Connect Timeout=30")
        Dim cmd As New SqlClient.SqlCommand("Insert into
Table(fname, lname, gender, phone, qualification) values('" & txtfname.Text & "','" &
txtlname.Text & "','" & gender & "','" & txtPhone.Text & "','" & qualification & "')",
con)

        con.Open()
        cmd.ExecuteNonQuery()
        con.Close()
    End Sub

```

```

    successLabel.Text = "Data Added Successfully !"
End Sub
End Class

```

Output :

Before Inserting :

The screenshot shows the Microsoft Visual Studio interface. In the Server Explorer, there is a connection to 'Azure (jaganishan99@outlook.com)' and a database 'biodata.mdf' with a single table named 'Table'. The table has columns: Id, fname, lname, gender, phone, and qualification, all set to NULL. In the Solution Explorer, the project 'Practical-19' is selected, showing files like 'Form.aspx', 'Form.aspx.vb', and 'Web.config'. In the Data Tools Operations window, a task is listed: 'Delete objects from (LocalDB)\MSSQLLocalDB.C:\USERS\ISHAN\Desktop\DATABASES\BIODATA.MDF'. The status of this task is 'Initializing operation...'. Other options in the Data Tools Operations window include 'Creating update preview...' and 'Displaying update preview...'. The bottom status bar indicates '0 Rows'.

The screenshot shows a web browser window with the URL 'localhost:44379/Form.aspx'. The page title is 'Bio-Data Form'. The form contains the following fields:

- First Name:
- Last Name:
- Age:
- Gender: Male Female
- Phone:
- Qualification:
- Submit button

On Data Added Successfully :

The screenshot shows the same web browser window as before, but now it displays a green success message: 'Data Added Successfully !!' below the form fields.

Data Inserted Successfully :

The screenshot shows the Microsoft Visual Studio interface with the following details:

- Server Explorer:** Shows a connection to "Azure (jaganianshan99@outlook.com)" and a database "biodata.mdf" containing a table "Table". The table has columns: Id, fname, lname, gender, phone, and qualification. Data is present for two rows: (1, Ishan, Jagani, Male, 1234567890, Diploma) and (2, Harsh, Vekariya, Male, 9876543210, BE).
- Solution Explorer:** Displays the solution "Practical-19" with files: Form.aspx, packages.config, and Web.config.
- Properties:** Shows the "Stored Procedures" section.
- Toolbox:** Standard Visual Studio toolbox.
- Status Bar:** Shows "Connection Ready" and the path "(LocalDB)\MSSQLLocalDB | ISHAN\ISHAN | C:\USERS\ISHAN\DESKTOP\activate Windows". It also indicates "Go to Settings to activate Windows." and "Add to Source Control" with a count of 4.

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 20

Aim: Create a webpage, that allows user to add a new username if user doesn't exist in the database. Also create a forgot password link, to redirect user to set up his new password on authentication

Login.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Login.aspx.vb"
Inherits="Practical_20.Login" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <strong>Login</strong><br />
            <br />
            Username :
            <asp:TextBox ID="txtUsername" runat="server"></asp:TextBox>
            <br />
            <br />
            Password :
            <asp:TextBox ID="txtPwd" runat="server" TextMode="Password"></asp:TextBox>
            &nbsp;<br />
            <br />
            <asp:Button ID="btnCreateAccount" runat="server" Text="Register Yourself" />
            <asp:Button ID="btnForgotPassword" runat="server" Text="Forgot Password" />
            <br />
            <br />
            <asp:Button ID="btnLogin" runat="server" Text="Login" />
        </div>
    </form>
</body>
</html>

```

Login.aspx.vb

```

Public Class Login
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub btnLogin_Click(sender As Object, e As EventArgs) Handles
btnLogin.Click

```

```

        Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\Info.m
df;Integrated Security=True;Connect Timeout=30")
        Dim ad As New SqlClient.SqlDataAdapter("select * from tblLogin where username
= '" & txtUsername.Text & "' and password = '" & txtPwd.Text & "' ", con)
        Dim ds As New DataSet

        con.Open()
        ad.Fill(ds)
        con.Close()

        If ds.Tables(0).Rows.Count > 0 Then
            Response.Redirect("Home.aspx")
        Else
            Response.Write("<font color='red'>Invalid Username/Password</font>")
        End If
    End Sub

    Protected Sub btnCreateAccount_Click(sender As Object, e As EventArgs) Handles
btnCreateAccount.Click
    Response.Redirect("Register.aspx")

End Sub

    Protected Sub btnForgotPassword_Click(sender As Object, e As EventArgs) Handles
btnForgotPassword.Click
    Response.Redirect("ForgotPassword.aspx")
End Sub
End Class

```

Register.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Register.aspx.vb"
Inherits="Practical_20.Register" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <strong>Register<br />
            </strong>
            <br />
            Username :
            <asp:TextBox ID="txtUsername" runat="server"></asp:TextBox>
            <br />
            <br />
            Password :
            <asp:TextBox ID="txtPwd" runat="server" TextMode="Password"></asp:TextBox>
            <br />
            <br />
            Confirm Password :
            <asp:TextBox ID="txtCpwd" runat="server"
TextMode="Password"></asp:TextBox>
            <br />
            <br />
        </div>
    </form>
</body>
</html>

```

```

Hint :
<asp:TextBox ID="txtHint" runat="server"></asp:TextBox>
<br />
<br />
<asp:Button ID="btnRegister" runat="server" Text="Register" />
<br />
<br />
<asp:Button ID="btnBackToLogin" runat="server" Text="Back to Login" />

</div>
</form>
</body>
</html>

```

Register.aspx.vb

```

Public Class Register
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub btnRegister_Click(sender As Object, e As EventArgs) Handles
btnRegister.Click
        Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\Info.m
df;Integrated Security=True;Connect Timeout=30")
        Dim cmd As New SqlClient.SqlCommand("insert into tblLogin values('' &
txtUsername.Text & '' , '' & txtPwd.Text & '' , '' & txtHint.Text & '')", con)
        Dim ds As New DataSet

        con.Open()
        cmd.ExecuteNonQuery()
        con.Close()

        Response.Write("Profile Creator Successfully !!")
        Response.Redirect("Login.aspx")

    End Sub

    Protected Sub btnBackToLogin_Click(sender As Object, e As EventArgs) Handles
btnBackToLogin.Click
        Response.Redirect("Login.aspx")
    End Sub
End Class

```

ForgotPassword.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="ForgotPassword.aspx.vb"
Inherits="Practical_20.ForgotPassword" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>

```

```

<body>
    <form id="form1" runat="server">
        <div>
            <strong>Forgot Password</strong><br />
            <br />
            Enter Username :
            <asp:TextBox ID="txtUsername" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Button ID="btnShowHint" runat="server" Text="Show Hint" />
            <br />
            <br />
            <asp:Label ID="lblHint" runat="server" Text=""></asp:Label>
            <br />
            <br />
            <asp:Button ID="btnBackToRegister" runat="server" Text="Back to Register" />
        </div>
    </form>
</body>
</html>

```

ForgotPassword.aspx.vb

```

Public Class ForgotPassword
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub btnShowHint_Click(sender As Object, e As EventArgs) Handles
btnShowHint.Click
        Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\Info.m
df;Integrated Security=True;Connect Timeout=30")
        Dim ad As New SqlClient.SqlDataAdapter("select * from tblLogin where
username=' " & txtUsername.Text & " ' ", con)
        Dim ds As New DataSet

        con.Open()
        ad.Fill(ds)
        con.Close()

        If ds.Tables(0).Rows.Count > 0 Then
            lblHint.Text = ds.Tables(0).Rows(0).Item("hint").ToString
        Else
            Response.Write("<font color=red>Invalid Username</font>")
        End If
    End Sub

    Protected Sub btnBackToLogin_Click(sender As Object, e As EventArgs) Handles
btnBackToLogin.Click
        Response.Redirect("Login.aspx")
    End Sub

    Protected Sub btnBackToRegister_Click(sender As Object, e As EventArgs) Handles
btnBackToRegister.Click
        Response.Redirect("Register.aspx")
    End Sub

```

```
End Sub
End Class
```

Home.aspx

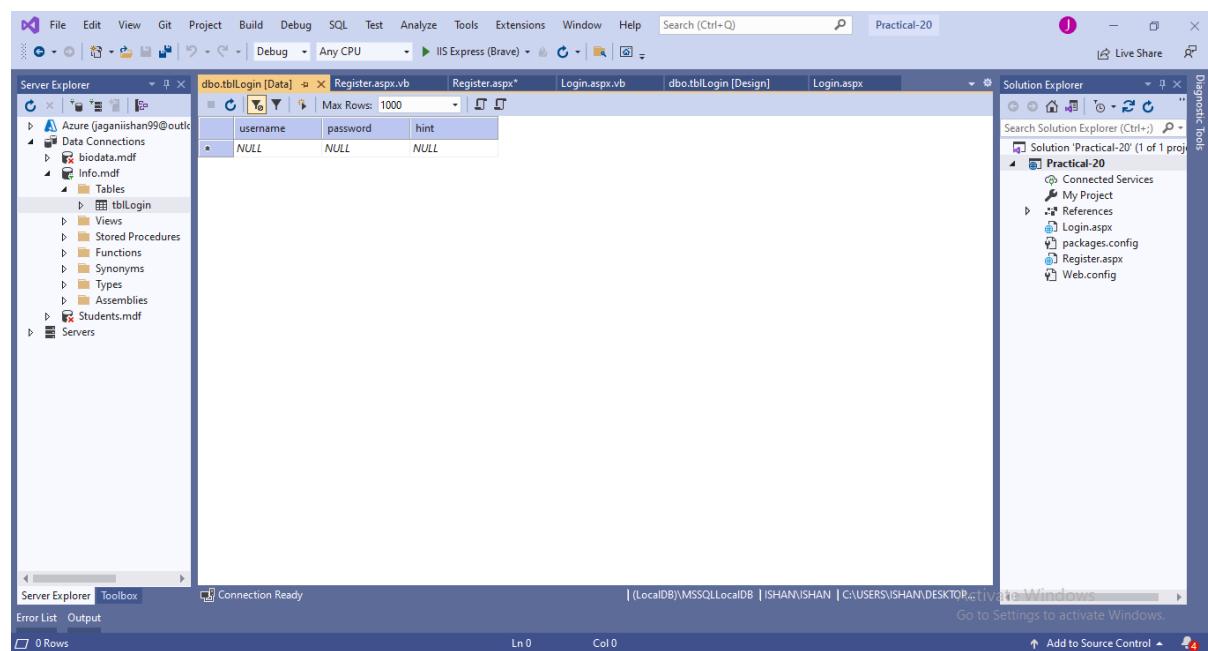
```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_20.Home" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Welcome To Home Page of Ishan's Website..!!
        </div>
    </form>
</body>
</html>
```

Output :

Empty Database :



Registration :

Register

Username :

Password :

Confirm Password :

Hint : Number of Honda Vehicle

After Registration :

Server Explorer

- Tables
 - tblLogin

| username | password | hint |
|--------------|----------|-------------------|
| Bhole | Bhandari | God |
| Ishan Jagani | 3450 | Number of Vehi... |
| Ishan | 3450 | Number of Ho... |
| NULL | NULL | NULL |

Solution Explorer

- Practical-20
 - Connected Services
 - My Project
 - References
 - ForgotPassword.aspx
 - Home.aspx
 - Login.aspx
 - packages.config
 - Register.aspx
 - Web.config

Login:

Invalid Username/Password

Login

Username :

Password :

On Successful Login:

Welcome To Home Page of Ishan's Website..!!

Forgot Password:

Invalid Username
[Forgot Password](#)

Enter Username :

[Show Hint](#)

Forgot Password

Enter Username :

Number of Honda Vehicle

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 21

Aim: Create a webpage to display the information about user on his homepage once he has logged in through the login form

Login.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Login.aspx.vb"
Inherits="Practical_21.Login" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="font-weight: 700">

            Login<br />
            <br />
            Username :
            <asp:TextBox ID="txtUsername" runat="server" />
            <br /><br />
            Password :
            <asp:TextBox ID="txtPwd" runat="server" TextMode="Password"/>
            <br /><br />
            <asp:Button ID="btnSubmit" runat="server" Text="Login" />
        </div>
    </form>
</body>
</html>
```

Login.aspx.vb

```
Public Class Login
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub btnSubmit_Click(sender As Object, e As EventArgs) Handles
btnSubmit.Click
        Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\User.m
df;Integrated Security=True;Connect Timeout=30")
        Dim ad As New SqlClient.SqlDataAdapter("select * from UserData where Username
= '" & txtUsername.Text & "' and Password = '" & txtPwd.Text & "' ", con)
        Dim dt As New DataTable

        con.Open()
        ad.Fill(dt)
```

```

        con.Close()

        If dt.Rows.Count > 0 Then
            Session("username") = txtUsername.Text
            Response.Redirect("Home.aspx")

        Else
            Response.Write("<font color='red'>Invalid Username/Password</font>")
        End If

    End Sub
End Class

```

Home.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_21.Home" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Username :
            <asp:Label ID="lblUsername" runat="server"/>
            <br /><br />

            Age :
            <asp:Label Id="lblAge" runat="server" />
        </div>
    </form>
</body>
</html>

```

Home.aspx.vb

```

Public Class Home
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
        If Session("username") = "" Then
            Response.Redirect("Login.aspx")
        Else
            Dim con As New SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\User.m
df;Integrated Security=True;Connect Timeout=30")
            Dim ad As New SqlDataAdapter("select Username, Age from UserData
where Username = " & Session("Username"), con)
            Dim dt As New DataTable

            con.Open()
            ad.Fill(dt)
            con.Close()
        End If
    End Sub
End Class

```

```
    lblUsername.Text = dt.Rows(0).Item(0)
    lblAge.Text = dt.Rows(0).Item(1)

    End If
End Sub

End Class
```

Output :

A screenshot of a web browser window titled "Login". The URL bar shows "localhost:44307/Login.aspx". The page contains two text input fields labeled "Username" and "Password", both containing the value "Ishan". Below the inputs is a "Login" button.

A screenshot of a web browser window titled "Login". The URL bar shows "localhost:44307/Login.aspx". The page displays an error message "Invalid Username/Password" above the login form. The form itself has "Username" set to "Ishan" and "Password" left empty, with a "Login" button below it.

On Successful Login :

A screenshot of a web browser window titled "Home.aspx". The URL bar shows "localhost:44307/Home.aspx". The page displays two pieces of information: "Username : Ishan" and "Age : 17".

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 22

Aim: Write an exercise, to allow the user to ADD, UPDATE, MODIFY his profile once he has logged into the website using Bound and Unbound Controls.

Register.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Register.aspx.vb"
Inherits="Practical_22.Register" %>

<!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>
            <strong>Ishan Jagani</strong><br />
            <br/>
            <asp:Label ID = "lblTitle" runat ="server" Text ="Register" style="font-weight:
700"/>
            <br/><br/>
            Username : <asp:TextBox ID ="txtUsername" runat ="server" PlaceHolder
="Username" />
            <br/><br/>
            Name :
            <asp:TextBox ID ="txtName" runat ="server" PlaceHolder ="Name" />
            <br/><br/>
            Age :
            <asp:TextBox ID ="txtAge" runat ="server" PlaceHolder ="Age" TextMode
="number" />
            <br/><br/>
            Password :
            <asp:TextBox ID ="txtPassword" runat ="server" PlaceHolder ="Password"
TextMode ="password"/>
            <br/><br/>
            <asp:Button ID ="btnRegister" runat ="server" Text ="Register" />
            <br/><br/>
            <asp:HyperLink ID = "hlLogin" runat ="server" Text ="Already have Account? "
NavigateUrl ="~/Login.aspx"/>
            <br />
            <br />
            <asp:Label ID = "lblAlert" runat ="server" ForeColor ="red"/>
        </div>
    </form>
</body>
</html>

```

Register.aspx.vb

```

Imports System.Data.SqlClient
Public Class Register
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub btnRegister_Click(sender As Object, e As EventArgs) Handles
btnRegister.Click
        Try
            Dim con As New SqlConnection
            con.ConnectionString = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\UserDe
tails.mdf;Integrated Security=True;Connect Timeout=30"
            Dim cmd As New SqlCommand
            cmd.Connection = con

            cmd.CommandText = "insert into UserInfo values ('" & txtUsername.Text &
"', '" & txtName.Text & "','" & txtAge.Text & "','" & txtPassword.Text & "')"
            con.Open()
            cmd.ExecuteNonQuery()
            con.Close()

            Response.Redirect("~/Login.aspx")

        Catch ex As Exception
            lblAlert.Text = "This user is already registered with us!"
        End Try
    End Sub
End Class

```

Login.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Login.aspx.vb"
Inherits="Practical_22.Login" %>

<!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>
            <strong>Ishan Jagani</strong><br/>
            <br />
            <strong>
                <asp:Label ID ="lblTitle" runat ="server" Text ="Login" />
                <br/></strong><br/>
            Username :
                <asp:TextBox ID ="txtUsername" runat ="server" PlaceHolder ="Username" />
                <br/><br/>
            Password :
                <asp:TextBox ID ="txtPassword" runat ="server" PlaceHolder ="Password"
TextMode ="password" />
                <br/><br/>
        </div>
    </form>
</body>

```

```

<asp:Button ID ="btnLogin" runat ="server" Text ="Login" />
<br/><br/>
<asp:HyperLink ID ="hlRegister" runat ="server" Text ="Not Registered?" 
NavigateUrl ="Register.aspx"/>

<br />
<br />

<asp:Label ID ="lblAlert" runat ="server" ForeColor ="red"/>

</div>
</form>
</body>
</html>

```

Login.aspx.vb

```

Imports System.Data.SqlClient
Public Class Login
    Inherits System.Web.UI.Page

    Protected Sub btnLogin_Click(sender As Object, e As EventArgs) Handles
btnLogin.Click
        Try
            Dim con As New SqlConnection
            con.ConnectionString = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Datas\Bases\UserDe
tails.mdf;Integrated Security=True;Connect Timeout=30"

            Dim cmd As New SqlCommand("select * from UserInfo where Username = '" &
txtUsername.Text & "' and Password = '" & txtPassword.Text & "' ", con)
            Dim ad As New SqlDataAdapter(cmd)
            Dim ds As New DataSet

            con.Open()
            ad.Fill(ds)
            con.Close()

            If ds.Tables(0).Rows.Count > 0 Then
                Session("username") = txtUsername.Text
                Response.Redirect("~/Home.aspx")
            Else
                lblAlert.Text = "Wrong Username or Password!"
            End If

            Catch ex As Exception
                Response.Write(ex)
            End Try
        End Sub
    End Class

```

Home.aspx

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_22.Home" %>

<!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 align ="center">
            Ishan Jagani<br/>
            <asp:Label ID = "lblTitle" runat ="server" Text ="Your Details" />
            <br/><br/>

            <asp:Label ID = "lblName" runat ="server" Text ="Name: " />
            <asp:Label ID = "lblNameVal" runat ="server" Text ="" />
            <br/><br/>

            <asp:Label ID = "lblUsername" runat ="server" Text ="Username: " />
            <asp:Label ID = "lblUsernameVal" runat ="server" Text ="" />
            <br/><br/>

            <asp:Label ID = "lblAge" runat ="server" Text ="Age: " />
            <asp:Label ID = "lblAgeVal" runat ="server" Text ="" />
            <br/><br/>

            <asp:HyperLink ID = "hlEditDetails" runat ="server" Text ="Edit Details"
NavigateUrl = "~/EditDetails.aspx" />
        </div>
    </form>
</body>
</html>

```

Home.aspx.vb

```

Imports System.Data.SqlClient
Public Class Home
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
    Try
        Dim con As New SqlConnection
        con.ConnectionString = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\UserDe
tails.mdf;Integrated Security=True;Connect Timeout=30"

        Dim cmd As New SqlCommand("select Username, Name, Age from UserInfo where
Username = " + Session("username"), con)
        Dim ad As New SqlDataAdapter(cmd)
        Dim ds As New DataSet

        con.Open()
        ad.Fill(ds)
        con.Close()

        lblNameVal.Text = ds.Tables(0).Rows(0).Item(0)
        lblUsernameVal.Text = ds.Tables(0).Rows(0).Item(1)
        lblAgeVal.Text = ds.Tables(0).Rows(0).Item(2)

    Catch ex As Exception
        Response.Redirect("~/Login.aspx")
    End Try

```

```
End Sub
```

```
End Class
```

EditDetails.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="EditDetails.aspx.vb"
Inherits="Practical_22.EditDetails" %>

<!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>
            Ishan Jagani<br />
            <br/>
            <asp:Label ID ="title_label" runat ="server" Text ="Edit Details"/>
            <br />
            <br/>Keep the Textbox empty for the detail you don't want to edit.<br />
            <br/>
            <asp:TextBox ID ="txtName" runat ="server" PlaceHolder ="Name" />
            <br/><br/>
            <asp:TextBox ID ="txtAge" runat ="server" PlaceHolder ="Age" TextMode
="number" />
            <br/><br/>

            <asp:Button ID ="btnSave" runat ="server" Text ="Save" />
            <br/><br/>
        </div>
    </form>
</body>
</html>
```

EditDetails.aspx.vb

```
Imports System.Data.SqlClient
Public Class EditDetails
    Inherits System.Web.UI.Page

    Protected Sub btnSave_Click(sender As Object, e As EventArgs) Handles
btnSave.Click
        Try
            Dim con As New SqlConnection
            con.ConnectionString = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\UserDe
tails.mdf;Integrated Security=True;Connect Timeout=30"
            Dim cmd As New SqlCommand
            cmd.Connection = con

            Dim usernm As String = ""
            Dim age As String = ""

            If (txtName.Text <> "") Then
```

```

        usernm = "" + txtName.Text + ""
        cmd.CommandText = "update UserInfo set Name = " + usernm + " where
Username = " + Session("username")
        End If

        If (txtAge.Text <> "") Then
            age = "" + txtAge.Text + ""
            cmd.CommandText = "update UserInfo set Age = " + age + " where
Username = " + Session("username")
        End If
        If (txtName.Text <> "" And txtAge.Text <> "") Then
            cmd.CommandText = "update UserInfo set Name = " + usernm + ", Age = "
+ age + " where Username = " + Session("username")
        End If
        Dim ds As New DataSet

        con.Open()
        cmd.ExecuteNonQuery()
        con.Close()

        Response.Redirect("~/Login.aspx")

    Catch ex As Exception
    End Try
End Sub

End Class

```

Output :

Ishan Jagani

Register

Username :

Name :

Age :

Password Password :

[Already have Account?](#)

Ishan Jagani

Login

Username :

Password :

[Not Registered?](#)

Wrong Username or Password!

Ishan Jagani

Login

Username :

Password :

[Not Registered?](#)

On Successful Login :

Ishan Jagani
Your Details

Name: Ishan Jagani

Username: Ishan

Age: 17

[Edit Details](#)

Edit Details:

Ishan Jagani

Edit Details

Keep the Textbox empty for the detail you don't want to edit.

After Edit Details :

| | Username | Name | Age | Password |
|-----|----------|--------------|------|----------|
| ▶ | Ishan | Ishan Jagani | 18 | ishan |
| ... | IshanJ | Ishan Jagani | 17 | ishan |
| ... | Bhole | Bhandari | 999 | shiv |
| * | NULL | NULL | NULL | NULL |

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |

Practical : 23

Aim: Create a webpage to bind the user data from database into a gridview dynamically.

Home.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="Home.aspx.vb"
Inherits="Practical_23.Home" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="btnFetch" runat="server" Text="Fetch Data" />
            <br /><br />
            <asp:GridView ID="gvData" runat="server" />
        </div>
    </form>
</body>
</html>
```

Home.aspx.vb

```
Public Class Home
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load

    End Sub

    Protected Sub btnFetch_Click(sender As Object, e As EventArgs) Handles
btnFetch.Click
        Dim con As New SqlClient.SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\ISHAN\Desktop\Databases\DummyD
ata.mdf;Integrated Security=True;Connect Timeout=30")
        Dim ad As New SqlClient.SqlDataAdapter("select * from Data", con)
        Dim ds As New DataTable

        con.Open()
        ad.Fill(ds)
        con.Close()

        gvData.DataSource = ds
        gvData.DataBind()

    End Sub
End Class
```

Output :**Dummy Data In Database :**

The screenshot shows the Microsoft Visual Studio interface. The Server Explorer window displays a connection to 'Azure (jaganishan09@outlook.com)' and a database 'DummymData.mdf' with a single table named 'Data'. The table has columns 'Id', 'Name', 'Age', and 'City', with data entries for 5 rows. The Solution Explorer window shows a project named 'Practical-23' with files like 'Home.aspx', 'Home.aspx.vb', 'Web.config', and 'packages.config'. The Properties window is open for the 'Data Table'.

After Fetching Data :

The screenshot shows a web browser window with the URL 'localhost:44307/Home.aspx'. Below the address bar is a 'Fetch Data' button. The main content area displays a table with 5 rows of data:

| Id | Name | Age | City |
|-----------|-------------|------------|-------------|
| 1 | Ishan | 17 | Ahmedabad |
| 2 | Harsh | 16 | Gandhinagar |
| 3 | Drastin | 19 | Ahmedabad |
| 4 | Kuldip | 20 | Nagpur |
| 5 | Shubham | 18 | Morbi |

| Start Date | End/Sign Date | Faculty Sign | Remarks/Grade |
|------------|---------------|--------------|---------------|
| | | | |