UNIVERSITY OF MUMBAI Teacher's Reference Manual Subject: Advanced Web Programming with effect from the academic year 2018 - 2019

Practical 3(b).Demonstrate the use of Calendar control to perform following operations.

a) Display messages in a calendar control control

b) Display vacation in a calendar

c) Selected day in a calendar control using style d) Difference between two calendar dates

<u>calndrCtrl.aspx</u>

ody Jun]	Jı	ı ly 20 1	18	[Aug
Мо	Tu	We	Th	Fr	Sa	Su
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5
l'our s l'oday' Janpat Days R Days re	elected s Date ti Vaca Cemaini emeani	date : 1 : Label tion Sta ng For ng for n	Label art: Lab Ganpat aew yea	el i Vacat r : Labo	ion : La el	abel

Calender properties set for this example:

<asp:Calendar ID="Calendar1" runat="server" BackColor="#FFFFCC" BorderColor="#FFCC66" BorderWidth="1px" DayNameFormat="Shortest" Font-Names="Verdana" Font-Size="8pt" ForeColor="#663399" Height="200px" NextPrevFormat="ShortMonth" OnDayRender="Calendar1_DayRender" ShowGridLines="True" Width="300px" OnSelectionChanged="Calendar1_SelectionChanged" >

<DayHeaderStyle BackColor="#FFCC66" Font-Bold="True" Height="1px" /> <NextPrevStyle BorderStyle="Solid" BorderWidth="2px" Font-Size="9pt" ForeColor="#FFFFCC" /> <OtherMonthDayStyle BackColor="#FFCC99" BorderStyle="Solid"

```
ForeColor="#CC9966" />
<SelectedDayStyle BackColor="Red" Font-Bold="True" />
<SelectorStyle BackColor="#FFCC66" />
<TitleStyle BackColor="#990000" Font-Bold="True" Font-Size="9pt"
ForeColor="#FFFFCC" />
<TodayDayStyle BackColor="#FFCC66" ForeColor="White" />
<WeekendDayStyle Height="50px" />
</asp:Calendar>
```

calndrCtrl.aspx.cs

```
protected void btnResult_Click(object sender, EventArgs e)
{
    Calendar1.Caption = "SAMBARE";
    Calendar1.Caption = Calendar Elements and the second secon
```

```
Calendar1.FirstDayOfWeek = FirstDayOfWeek.Sunday;
Calendar1.NextPrevFormat = NextPrevFormat.ShortMonth;
Calendar1.TitleFormat = TitleFormat.Month;
```

```
Label2.Text = "Todays Date"+Calendar1.TodaysDate.ToShortDateString();
Label3.Text = "Ganpati Vacation Start: 9-13-2018";
TimeSpan d = new DateTime(2018, 9, 13) - DateTime.Now;
Label4.Text = "Days Remaining For Ganpati Vacation:"+d.Days.ToString();
TimeSpan d1 = new DateTime(2018, 12, 31) - DateTime.Now;
Label5.Text = "Days Remaining for New Year:"+d1.Days.ToString();
if (Calendar1.SelectedDate.ToShortDateString() == "9-13-2018")
Label3.Text = "<b>Ganpati Festival Start</b>";
if (Calendar1.SelectedDate.ToShortDateString() == "9-23-2018")
Label3.Text = "<b>Ganpati Festival End</b>";
```

```
}
```

```
}
    if (e.Day.Date.Day == 13 && e.Day.Date.Month == 9)
    {
      Calendar1.SelectedDate = new DateTime(2018, 9, 12);
      Calendar1.SelectedDates.SelectRange(Calendar1.SelectedDate,
Calendar1.SelectedDate.AddDays(10));
      Label lbl1 = new Label();
      lbl1.Text = "<br>Ganpati!";
      e.Cell.Controls.Add(lbl1);
    }
  }
  protected void btnReset_Click(object sender, EventArgs e)
  {
    Label1.Text = "";
    Label2.Text = "";
    Label3.Text = "";
    Label4.Text = "";
    Label5.Text = "";
    Calendar1.SelectedDates.Clear();
  }
```

protected void Calendar1_SelectionChanged(object sender, EventArgs e)
{

Label1.Text = "Your Selected Date:" + Calendar1.SelectedDate.Date.ToString();
}

OUTPUT

SAMBARE									
Aug		1	Septeml	ber	E	Oct			
Su	Мо	Tu	We	Th	Fr	Sa			
<u>26</u>	27	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>	1			
2	<u>3</u>	4	5 Teachers Day!	<u>6</u>	Z	<u>8</u>			
9	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u> Ganpati!	14	<u>15</u>			
<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>			
<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>			
<u>30</u>	1	2	<u>3</u>	4	<u>5</u>	<u>6</u>			
Your s Today Ganpa Days Days Resu	selecte 7's Date ati Vac Remai remeas	d date e : 15- ation : ning F ning fo	: 27-08 07-2018 Start: 9- For Gang or new y	-2018 00 13-2018 oati Vaca ear : 16	0:00:0 ation : 8	0 59			

Practical 3(c).Demonstrate the use of Treeview control perform following operations. a) Treeview control and datalist b) Treeview operations

Add XML File

Website -> Add -> XML File and Name it 'stdetail'.

stdetail.xml

<?xml version="1.0" encoding="utf-8" ?> <studentdetail> <student> <sid>1</sid> <sname>Tushar</sname> <sclass>TYIT</sclass> </student> <student> <sid>2</sid> <sname>Sonali</sname> <sclass>TYCS</sclass> </student> <student> <sid>3</sid> <sname>Yashashree</sname> <sclass>TYIT</sclass> </student> <student> <sid>4</sid> <sname>Vedshree</sname> <sclass>TYCS</sclass> </student> </studentdetail>

Default2.aspx

```
<form id="form1" runat="server">
  <div>
    Treeview control navigation:<asp:TreeView ID = "TreeView1" runat = "server" Width =
  "150px" ImageSet="Arrows">
    <HoverNodeStyle Font-Underline="True" ForeColor="#5555DD" />
  <Nodes>
  <asp:TreeNode Text = "ASP.NET Practs" Value = "New Node">
  <asp:TreeNode Text = "ASP.NET Practs" Value = "RED" NavigateUrl="~/calndrCtrl.aspx">
  </asp:TreeNode Text = "Calendar Control" Value = "RED" NavigateUrl="~/calndrCtrl.aspx">
  </asp:TreeNode Text = "Constructor Overloading" Value = "GREEN"
  NavigateUrl="~/clsconstrc.aspx"> </asp:TreeNode>
  <asp:TreeNode NavigateUrl="~/singleInh.aspx" Text="Inheritance"
  Value="BLUE"></asp:TreeNode>
  <asp:TreeNode NavigateUrl="~/clsProp.aspx" Text="Class Properties" Value="Class
  Properties"></asp:TreeNode>
```

```
</asp:TreeNode>
</Nodes>
   <NodeStyle Font-Names="Tahoma" Font-Size="10pt" ForeColor="Black"
HorizontalPadding="5px" NodeSpacing="0px" VerticalPadding="0px" />
   <ParentNodeStyle Font-Bold="False" />
   <SelectedNodeStyle Font-Underline="True" ForeColor="#5555DD"
HorizontalPadding="0px" VerticalPadding="0px" />
</asp:TreeView>
   <br />
   Fetch Datalist Using XML data : </div>
<asp:DataList ID="DataList1" runat="server">
     <ItemTemplate>
   Roll Num : <%# Eval("sid") %><br />
        Name : <%# Eval("sname") %><br />
        Class : <%# Eval("sclass")%>
       </ItemTemplate>
</asp:DataList>
```



Default2.aspx.cs

```
using System.Data;
public partial class _Default : System.Web.UI.Page
{
  protected void Page_Load(object sender, EventArgs e)
  {
    if (!IsPostBack)
    {
      BindData();
    }
  }
  protected void BindData()
  {
    DataSet ds = new DataSet();
    ds.ReadXml(Server.MapPath("stdetail.xml"));
    if (ds != null && ds.HasChanges())
    {
        DataList1.DataSource = ds;
        DataList1.DataBind();
    }
    else
    {
       DataList1.DataBind();
    }
  }
}
```

OUTPUT



Practical 4(b).Create Web Form to demonstrate use of Adrotator Control.

Add a XML file, name it "adds.xml"

Add New Item - Demo				? ×
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Visual Basic Visual C#	Q	WCF Service	Visual C#	Type: Visual C# A blank XML file
▷ Online	Q.	WCF Service (Ajax-enabled)	Visual C#	
	₽°	Web API Controller Class (v1)	Visual C#	
	₽ ₽ ^{C®}	Web API Controller Class (v2.1) Visual C#	
	P	Web Configuration File	Visual C#	
	≡⊕	Web Service (ASMX)	Visual C#	
		XML File	Visual C#	
		Click here to go online and find	templates.	
Name:	adds.xml			Place code in separate file
				Add Cancel

Add images to test out the adrotator functionality.



XML File

```
<Advertisements>
```

```
<Ad>
```

```
<ImageUrl>rose1.jpg</ImageUrl>
```

<NavigateUrl>http://www.1800flowers.com</NavigateUrl>

```
<AlternateText>
```

```
Order flowers, roses, gifts and more
</AlternateText>
<Impressions>20</Impressions>
<Keyword>flowers</Keyword>
</Ad>
```

<Ad>

```
<ImageUrl>rose2.jpg</ImageUrl>
<NavigateUrl>http://www.babybouquets.com.au</NavigateUrl>
<AlternateText>Order roses and flowers</AlternateText>
<Impressions>20</Impressions>
<Keyword>gifts</Keyword>
</Ad>
```

<Ad>

```
<ImageUrl>rose3.jpeg</ImageUrl>
<NavigateUrl>http://www.flowers2moscow.com</NavigateUrl>
<AlternateText>Send flowers to Russia</AlternateText>
<Impressions>20</Impressions>
<Keyword>russia</Keyword>
</Ad>
```

</Advertisements>

<u>Default.aspx</u>

<asp:AdRotator ID="AdRotator1" runat="server" DataSourceID="XmlDataSource1" /> <asp:XmlDataSource ID="XmlDataSource1" runat="server"

DataFile="~/ADFILE.xml"></asp:XmlDataSource>

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OUTPUT:



Practical 4(c).Create Web Form to demonstrate use User Controls. Add Web User Control

Website -> Add -> Web User Control and Name it 'MyUserControl.



MyUserControl.ascx

```
<%@ Control Language="C#" AutoEventWireup="true"
CodeFile="MyUserControl.ascx.cs" Inherits="MyUserControl" %>
<h3>This is User Contro1 </h3>
```

```
Name
```

```
<asp:Button ID="txtSave" runat="server" Text="Save" onclick="txtSave_Click" />
<br />
<asp:Label ID="Label1" runat="server" ForeColor="White" Text=" "></asp:Label>
```

MyUserControl.ascx.cs

```
protected void txtSave_Click(object sender, EventArgs e)
{
   Label1.Text = "Your Name is " + txtName.Text + " and you are from " +
txtcity.Text;
}
```

```
UserControlDisplay.aspx
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="UserControlDisplay.aspx.cs" Inherits="UserControlDisplay" %>
<%@ Register Src="~/MyUserControl.ascx" TagPrefix="uc"
TagName="Student"%>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<uc:Student ID="studentcontrol" runat="server" />
</div>
</form>
</body>
</html>
OUTPUT :
```

This i	This is User Contro1								
Name	Vithal Wadje								
City	Latur								
	Save								
Your N	ame is Vithal Wadje and you are from Latur								

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

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▶ Onlin	ne @	Layout Page (Razor v3)	Visual C#			
	@ *	Web Page (Razor v3)	Visual C#			
	1000		Visual C#			
		Web User Control	Visual C#			
	43	ADO.NET Entity Data Model	Visual C#			
		Browser File	Visual C#	*		
	<u>2</u>	Click here to go online and find	templates.			
Name:	MasterPage2.master			Place code in separate file Select master page Add	Cance	el

Adding Web page For Master page

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			Style Sheet		Visual C#		
			Web Form		Visual C#		
		@	Content Page (Razor v3)		Visual C#		
		C #	Empty Page (Razor v3)		Visual C#		
		@	Helper (Razor v3)		Visual C#	Ŧ	
			Click here to go online and	d find ter	nplates.		
<u>N</u> ame:	Default.aspx						☑ Place code in separate file ☑ Sele <u>c</u> t master page
							Add Cancel

MasterPage.master

Master Language="C#" AutoEventWireup="true" CodeFile="MasterPage.master.cs"
Inherits="MasterPage" %>
 <!DOCTYPE html>
 <html xmlns="http://www.w3.org/1999/xhtml">
 <html xmlns="http://www.w3.org/1999/xhtml">
</html xmlns="http://www.w3.org/1999/xhtml">
</http://www.w3.org/1999/xhtml<//http://www.w3.org/1999/xhtml<//http://www.w3.org/1999/xhtml<//http://www.w3.org/1999/xhtml<//http://www.w3.org/1999/xhtml</p>

```
<title>Master Page Demo</title>
    <link href="css/my.css" rel="stylesheet" />
    <asp:ContentPlaceHolder ID="head" runat="server">
    </asp:ContentPlaceHolder>
    <style type="text/css">
        .auto-style1 {
           position: absolute;
           top: 373px;
           left: 1028px;
           bottom: 303px;
       }
        .auto-style2 {
           position: absolute;
           top: 537px;
           left: 1016px;
           z-index: 1;
       }
    </style>
</head>
<body>
    <!DOCTYPE html>
    <form id="form1" runat="server">
<html>
<head>
    <title>Master</title>
    <link rel="stylesheet" type="text/css" href="StyleSheet.css">
</head>
<body>
<header id="header">
<h1>Demo Of Master Page</h1>
</header>
<nav id="nav">
   <a href="home.aspx">Insight</a>
       <a href="#">Products</a>
       <a href="#">Downloads</a>
       <a href="#">Contact Us</a>
    </nav>
<aside id="side">
    <h1>Info</h1>
    <a href="#">Product Type 1</a>
   <a href="#">Product Type 2</a>
   <a href="#">Product Type 3<a href="#"><asp:ScriptManager ID="ScriptManager1"</pre>
runat="server">
       </asp:ScriptManager>
       \langle a \rangle
    <asp:Button ID="Button2" runat="server" CssClass="auto-style1" style="z-index: 1"</pre>
Text="Button" />
   <asp:Button ID="Button1" runat="server" CssClass="auto-style2" Text="Button" />
```

</aside>

<div id="con">

MasterDisplay.aspx

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="MasterDisplay.aspx.cs" Inherits="MasterDisplay" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
</h>
</asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
</h>
</asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
</h>
</asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
</asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></asp:Content></a>
```

StyleSheet.css

```
#header{
    color: blueviolet;
    text-align: center;
    font-size: 20px;
}
#nav{
    background-color:darkseagreen;
    padding: 5px;
}
ul{
    list-style-type: none;
}
li a {
    color:crimson ;
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: aqua;
    color:coral ;
    padding:1%;
   }
   #side{
    text-align: center;
    float: right;
    width: 15%;
    padding-bottom: 79%;
    background-color: #F1FAEE;
   }
   #article{
    background-color: burlywood;
    padding: 10px;
    padding-bottom: 75%;
   }
   #footer{
    background-color: #C7EFCF;
    text-align:center;
    padding-bottom: 5%;
    font-size: 20px;
}
   #con{
       border:double;
       border-color:burlywood;
   }
```

Database Practicals******

Note: For Database practical's we have used SQL Server 2014 version.

Here we to add new database in our website, as shown below. Add this database inside App_Data folder.





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

1. Create a webpage with one **Button**, one Multiline TextBox and one list box with setting **TextMode** Property of text box to **Multiline** as shown below.

Workshop (Running) - M File Edit View Website	licrosoft Visual Studio Team Format Tools Test Analyze Window Help	(Ctrl+Q) P - D Sign in	×
Server Explorer IN TAX Server Explorer IN TAX A Xure A Data Connections A Database.mdf D Tables D Tables D Views D Stored Proce D Functions D Stored Proce D Functions D Stored Proce D Functions D Stored Stores D Stored Proce D Stored Proc	P • (* • Debug • Any CPU • Continue • (* • J= *) N (*) * (* • *) Web.config DataBinding.aspx.cs DataBinding.aspx + × AddRotator.aspx ** × AddRotator.aspx ** × [asp:textbox#TextBox] • • • Unbound •	Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Wel + Image: Constraint of the second system. Web. UI. Web.	Solution Explorer

2. Write the Database related code in code behind C# file as given below.

Note: The users have to use their own system connection string in place of connection string given in following code.

The connection string is available in Server Explorer (Right click on Database Name and Select Properties) as displayed below. User can copy this connection string and can use in code.



3. Add this string to configuration file (web.config) as given below. **Web.confing**

<configuration>

```
<system.web>
    <compilation debug="true" targetFramework="4.5.2" />
    <httpRuntime targetFramework="4.5.2" />
    </system.web>
    <connectionStrings>
        <add name="connstr" connectionString="Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename='C:\Users\tushars\Documents\Visual Studio
2015\WebSites\Workshop\App_Data\Database.mdf';Integrated Security=True" />
```

</connectionStrings>

</configuration>

4. Now use the following code C# in Default.aspx.cs (**Note** : First write following using statements at the top of file

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
public partial class DataBinding : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        string connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
        SqlConnection con = new SqlConnection(connStr);
        con.Open();
        SqlCommand cmd = new SqlCommand(TextBox1.Text, con);
        SqlDataReader reader = cmd.ExecuteReader();
        ListBox1.Items.Clear();
        while (reader.Read())
        {
            //To add new blank line in the text area
            for (int i = 0; i < reader.FieldCount - 1; i++)</pre>
            {
                ListBox1.Items.Add(reader[i].ToString());
            }
        }
        reader.Close();
        con.Close();
    }
}
```

Output:

← → C	() localhost:3772/DataBind	ding.aspx
select * fro	om customer	
		/i
1		
1 47 Mockingbir	d Ln	

Practical 6 (b): Create a web application to display records by using database. Create a web page with following design:



```
Add the following code on Button click event in C# Code behind file.
 protected void Button1 Click(object sender, EventArgs e)
   {
        string connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
        SqlConnection con = new SqlConnection(connStr);
        SqlCommand cmd = new SqlCommand("Select City, State from Customer", con);
        con.Open();
        SqlDataReader reader = cmd.ExecuteReader();
        while (reader.Read())
        {
            Label1.Text += reader["City"].ToString() + " " + reader["State"].ToString() +
"<br>>":
        }
        reader.Close();
        con.Close();
     }
```

Output:



Practical 6 (c): Demonstrate the use of Datalist link control.

- 1. Drag the Datalist control to our web page form toolbox->Data-> Datalist.
- 2. Then select **Choose Data Source** Option and select **<New Data Source>.**



3. Now Select SQL Database from options and Click Ok button.

ta Source Con	figuration Wiz	ard					?	2
	Choose a D	ata Source	Туре					
<u>W</u> here will th	e application	get data fron	n?					
SQL	A	-	- 1					
Database	Entity	LINQ	Object	Site Map	XML File			
Connect to an	ıy SQL databa	se supported	by ADO.NET, s	uch as Microso	oft SQL Server, Ora	acle, or OLEDB.		
Specify an ID f	or the data so	urce:						
SqlDataSource	1	area						
	-							

- 4. In next window click on New Connection button.
- 5. In add connection window Select the available SQL Server Name
- 6. Keep the Authentication as Windows Authentication.

- 7. After that select Attach a Database file radio button. Here we have to select the database that we have created in our application. (Usually it will be in Documents folder under Visual Studio 2015/ Websites).
- 8. After selection of Database file. We can also Test the connection.
- 9. Then Click on OK button.

Enter information data source and/c	to connect to the selected data source or click "Change" to or provider.	o choose a different					
Data source:			New Connection				
Microsoft SQL Se	rver (SqlClient)	Change					
Server name:		1					
DESKTOP-FRAE3/	C\SQLEXPRESS V Refresh		_	tracle or OLEDB.			
Log on to the se	rver		Select SQL Server Database F	ile			
Authentication:	Windows Authentication	~	· · · · · · · · · · · · · · · · · · ·	takana Darata (Ana Data		Sarah Ann Data	
Liser name:				itabasePracis > App_Data	V 0	Search App_Data	
Deserveral			Organize 🔻 New fold	er			
Plassworu;	Save my paceword		This PC	Name		Date modified	Тур
	Save my password		🗊 3D Objects	📴 Business		15-07-2018 15:24	SQL
Connect to a dat	tabase		Desktop	🔛 Database		15-07-2018 15:21	SQI
O Select or ent	er a database name:		Documents				
		~	🕹 Downloads 🗸 🗸	<			
Attach a dat	abase file:		File n	ame: Business	~	Microsoft SQL Server Da	tabases
		Browse				Open 🔽 🔿	Cancel
		Diowsein					
Logical nan	ne:	biowsen		-			_
Logical nar	Attach Microsoft Visua C:\Us Logici Test o	al Studio	X j\Web	Sites\DatabaseF	Browse		

10. Once the Connection is made then click on Next button from Data Source Wizard.

Configure Dat	a Source - SqlDataSource1	? ×
ı.	Choose Your Data Connection	
Which data Database.m	a connection should your application use to connect to the database?	ew Connection
- Conne	ection string	d Security=True 🔺
I	< Previous Next > Finish	Cancel

- 11. Then wizard ask for saving the connection string in configuration file. If you already stored it web.config file then uncheck check box, if you haven't, then select the checkbook. Then click on next button.
- 12. The next screen gives option to configure the select statement. Here we can choose the table as well as configure the select statement as we need to display the data on web page.

Configure [Data Source - SqlDataSource1	?	×			
	Configure the Select Statement					
How wo	uld you like to retrieve data from your database?					
O Spe	cify a custom SQL statement or stored procedure					
Specific	cify columns from a table or view					
Na	ime:					
AC	C_TRANSACTION V					
Co	lumns:					
	*	y unique r	ows			
	TXN_ID WHE	RE				
			_			
	TXN DATE	вү				
	TXN_TYPE_CD Advan	ced				
	ACCOUNT_ID	ccum				
	EXECUTION_BRANCH_ID					
SEI	LECT statement:					
SE [E	SELECT [TXN_ID], [AMOUNT], [FUNDS_AVAIL_DATE], [TXN_DATE], [TXN_TYPE_CD], [ACCOUNT_ID],					
	A. M.					
	< Previous Next > Finish	Cancel				

13. In next screen we can test our query to check the output. Then Click on finish.

After successful steps form the Datalist controls option wizard our web page design and output will look like following.

TXN_ID: 1 AMOUNT: 100 FUNDS_AVAIL_DATE: 1/15/2000 12:00:00 AM TXN_DATE: 1/15/2000 12:00:00 AM TXN_TYPE_CD: CDT ACCOUNT_ID: 1 EXECUTION_BRANCH_ID: TELLER_EMP_ID:

TXN_ID: 2 AMOUNT: 100 FUNDS_AVAIL_DATE: 1/15/2000 12:00:00 AM TXN_DATE: 1/15/2000 12:00:00 AM TXN_TYPE_CD: CDT ACCOUNT_ID: 2 EXECUTION_BRANCH_ID: TELLER_EMP_ID:

TXN_ID: 3 AMOUNT: 100 FUNDS_AVAIL_DATE: 6/30/2004 12:00:00 AM TXN_DATE: 6/30/2004 12:00:00 AM TXN_TYPE_CD: CDT ACCOUNT_ID: 3 EXECUTION_BRANCH_ID: TELLER_EMP_ID:

Practical 7 (a): Create a web application to display Databinding using Dropdownlist control.

- 1. Create a web page with DropDownList control, one Button and one Label control.
- 2. Use code to bind the data to DropDownList.



Or with Code also we can achieve the same thing.

Default4.aspx +⊨ ×		
body		
Unbound 💌	Click Me !	The Country You Have Selected is :

Code of C# Code behind file

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
public partial class DBDropDown : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
    {
        if (IsPostBack == false)
        {
            string connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
            SqlConnection con = new SqlConnection(connStr);
            SqlCommand cmd = new SqlCommand("Select Distinct City from Customer", con);
            con.Open();
            SqlDataReader reader = cmd.ExecuteReader();
            DropDownList1.DataSource = reader;
            DropDownList1.DataTextField = "City";
            DropDownList1.DataBind();
            reader.Close();
            con.Close();
        }
   }
   protected void Button1_Click(object sender, EventArgs e)
    {
        Label1.Text = "The You Have Selected : " + DropDownList1.SelectedValue;
    }
}Output:
```

\leftrightarrow \Rightarrow C 0	$\leftarrow \rightarrow C$ (i) localhost:3772/DBD
Lynnfield v	Salem •
Lynnfield	
Newton	
Quincy	
Salem	Button
Waltham	
Wilmington	The Vou Have Selected - Salem
Woburn	The Tou Have Selected : Salelli

Practical 7 (b): Create a web application for to display the Postal Code no of Customer using database.

Create a web page with DropDownList, Button and with Label control as shown below.



Code of C# Code behind file

```
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
public partial class PostalCodeByCity : System.Web.UI.Page
{
   protected void Button1_Click(object sender, EventArgs e)
    {
        Label1.Text = ListBox1.SelectedValue;
   }
   protected void Page_Load(object sender, EventArgs e)
    {
        if (IsPostBack == false)
        {
            string connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
            SqlConnection con = new SqlConnection(connStr);
            SqlCommand cmd = new SqlCommand("Select Distinct POSTAL_CODE from Customer",
con);
            con.Open();
```

<pre>SqlDataReader reader = cmd.ExecuteReade ListBox1.DataSource = reader; ListBox1.DataTextField = "City"; ListBox1.DataValueField = "POSTAL_CODE" ListBox1.DataBind();</pre>		
	<pre>reader.Close(); con.Close();</pre>	
} } Output:		← → C i loc
		Button
		Lynnfield

Practical 7 (c): Create a web application for inserting and deleting record from a database. (Using Execute-Non Query).

Create a web page with TextBox, and Two Button and one Label control as shown below. And follow the database related steps same as it is in previous examples.

Bank Ac	ldress
Bank Cit	ty
Bank Br	anch Name
State	
р	
ZIP Cod	le l
Insert	Delete

Code of C# Code behind file

using System; using System.Collections.Generic;

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

```
public partial class ExecuteNonQuery : System.Web.UI.Page
{
 protected void Button1_Click(object sender, EventArgs e)
 {
   string connStr = ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
   SqlConnection con = new SqlConnection(connStr);
   string InsertQuery = "insert into BRANCH values(@ADDRESS, @CITY, @NAME, @STATE,
@ZIP_CODE)";
   SqlCommand cmd = new SqlCommand(InsertQuery, con);
   cmd.Parameters.AddWithValue("@ADDRESS", TextBox1.Text);
   cmd.Parameters.AddWithValue("@CITY", TextBox2.Text);
   cmd.Parameters.AddWithValue("@NAME", TextBox3.Text);
   cmd.Parameters.AddWithValue("@STATE", TextBox4.Text);
   cmd.Parameters.AddWithValue("@ZIP_CODE", TextBox5.Text);
   con.Open();
   cmd.ExecuteNonQuery();
   Label1.Text = "Record Inserted Successfuly.";
   con.Close();
 }
 protected void Button2_Click(object sender, EventArgs e)
 {
   string connStr = ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
   SqlConnection con = new SqlConnection(connStr);
```

```
string InsertQuery = "delete from branch where NAME=@NAME";
```

```
SqlCommand cmd = new SqlCommand(InsertQuery, con);
```

```
cmd.Parameters.AddWithValue("@NAME", TextBox1.Text);
```

con.Open();
con.d Evenues Normal Sector Sector

```
cmd.ExecuteNonQuery( );
Label1.Text = "Record Deleted Successfuly.";
```

```
con.Close( );
```

```
}
}
```