Q1. Create a web page with following controls and display inputted/selected values: Text Box, Radio Button, Radio Button List, Checkbox, Check box list, Calendar, Drop Down List. List box, File Upload Control.

Code :-

<u>aspx code</u>

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="reg.aspx.vb" Inherits="reg"
    Theme="Theme1" %>

<!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: 463px;
        }
        .style2
        {
        }
        .style3
        {
        }
        .style4
        {
            width: 312px;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
    <div>
        <table>
            <tr>
                <td class="style3" colspan="2">
                    <h1>Register</h1>
                </td>
            </tr>
            <tr>
                <td class="style4">
                     
                </td>
                <td class="style1">
                    <asp:Label ID="lblmsg" runat="server"
ForeColor="White"></asp:Label>
                </td>
            </tr>
            <tr>
                <td class="style4">
                    Name :
```

```
            </td>
            <td class="style1">
                <asp:TextBox ID="name" runat="server"></asp:TextBox>
            </td>
            <tr>
                <td class="style4">
                    Gender :
                </td>
                <td class="style1">
                    <asp:RadioButton ID="rbMale" runat="server" Text="Male"
GroupName="xyz" />
                    <asp:RadioButton ID="rbFemale" runat="server" Text="Female"
GroupName="xyz" />
                </td>
            </tr>
        </tr>
        <tr>
            <td class="style4">
                Semester :
            </td>
            <td class="style1">
                <asp:RadioButtonList ID="rbSem" runat="server" RepeatColumns="3"
RepeatDirection="Horizontal" Width="303px">
                    <asp:ListItem>Sem-1</asp:ListItem>
                    <asp:ListItem>Sem-2</asp:ListItem>
                    <asp:ListItem>Sem-3</asp:ListItem>
                    <asp:ListItem>Sem-4</asp:ListItem>
                    <asp:ListItem>Sem-5</asp:ListItem>
                    <asp:ListItem>Sem-6</asp:ListItem>
                </asp:RadioButtonList>
            </td>
        </tr>
        <tr>
            <td class="style4">
                Hobby :
            </td>
            <td class="style1">
                <asp:CheckBox ID="chkMusic" runat="server" Text="Music" />
                <asp:CheckBox ID="chkSwimming" runat="server" Text="Swimming" />
                <asp:CheckBox ID="chkGaming" runat="server" Text="Gaming" />
            </td>
        </tr>
        <tr>
            <td class="style4">
                Subject :
            </td>
            <td class="style1">
                <asp:CheckBoxList ID="chksubject" runat="server"
RepeatColumns="3" RepeatDirection="Horizontal" Width="398px">
                    <asp:ListItem Value="100">JAVA</asp:ListItem>
                    <asp:ListItem Value="200">C++</asp:ListItem>
                    <asp:ListItem Value="300">ASP.NET</asp:ListItem>
                    <asp:ListItem Value="400">WEB DESIGNING</asp:ListItem>
                    <asp:ListItem Value="500">RDBMS</asp:ListItem>
                </asp:CheckBoxList>
```

```
                </td>
            </tr>
            <tr>
                <td class="style4">
                    DOB :
                </td>
                <td class="style1">
                    <asp:TextBox ID="txtdate" runat="server"
TextMode="Date"></asp:TextBox>
                </td>
            </tr>
            <tr>
                <td class="style4">
                    City :
                </td>
                <td class="style1">
                    <asp:DropDownList ID="ddlcity" runat="server">
                        <asp:ListItem>--Select City--</asp:ListItem>
                        <asp:ListItem>Surat</asp:ListItem>
                        <asp:ListItem>Ahmedabad</asp:ListItem>
                        <asp:ListItem>Bhavnagar</asp:ListItem>
                        <asp:ListItem>Navsari</asp:ListItem>
                        <asp:ListItem>Bardoli</asp:ListItem>
                        <asp:ListItem>Valsad</asp:ListItem>
                    </asp:DropDownList>
                </td>
            </tr>
            <tr>
                <td class="style4">
                    Languages :</td>
                <td class="style1">
                    <asp:ListBox ID="lsbLang" runat="server"
SelectionMode="Multiple">
                        <asp:ListItem>English</asp:ListItem>
                        <asp:ListItem>Hindi</asp:ListItem>
                        <asp:ListItem>Gujarati</asp:ListItem>
                        <asp:ListItem>Marathi</asp:ListItem>
                        <asp:ListItem>Telugu</asp:ListItem>
                        <asp:ListItem>Tamil</asp:ListItem>
                        <asp:ListItem>Bengoli</asp:ListItem>
                        <asp:ListItem>German</asp:ListItem>
                        <asp:ListItem>Spanish</asp:ListItem>
                    </asp:ListBox>
                </td>
            </tr>
            <tr>
                <td align="center" class="style2" colspan="2">
                    <asp:Button ID="btnsubmit" runat="server" Text="Submit"
Height="50px" Width="150px" />
                </td>
            </tr>
        </table>
    </div>
    </form>
</body>
```

```vb
</html>
```

aspx.vb code

```vb
Partial Class reg
    Inherits System.Web.UI.Page

    Protected Sub Button1_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles btnsubmit.Click

        'TextBox Code
        Dim sname As String
        sname = name.Text

        'RadioButton Code
        Dim str As String = ""
        If rbMale.Checked = True Then
            str = "Male"
        Else
            str = "Female"
        End If
        str = str.ToString()

        'RadioButtonList Code
        Dim sem As String
        sem = rbSem.SelectedItem.ToString()

        'CheckBox Code
        Dim hobbies As String = ""
        If chkMusic.Checked = True Then
            hobbies = hobbies + " " + chkMusic.Text.ToString()
        End If
        If chkSwimming.Checked = True Then
            hobbies = hobbies + " " + chkSwimming.Text.ToString()
        End If
        If chkGaming.Checked = True Then
            hobbies = hobbies + " " + chkGaming.Text.ToString()
        End If
        hobbies = hobbies


        'CheckBoxList Code
        Dim subject As String = ""
        Dim i As Integer = 0
        For i = 0 To chksubject.Items.Count - 1
            If (chksubject.Items(i).Selected = True) Then
                subject = subject + " " + chksubject.Items(i).Text.ToString() + "(" +
chksubject.Items(i).Value.ToString() + ")"
            End If
        Next
        subject = subject
```

```vb
        'Calendar Code
        Dim dob As String
        dob = caldob.SelectedDate.ToString()

        'DropDown Code
        Dim city As String
        city = ddlcity.SelectedItem.Text.ToString()

        'ListBox Code
        Dim lang As String = ""
        Dim i1 As Integer = 0
        For i1 = 0 To lsbLang.Items.Count - 1
            If (lsbLang.Items(i1).Selected = True) Then
                lang = lang + " " + lsbLang.Items(i1).Text.ToString()
            End If
        Next

        'FileUpload Code
        Dim path As String
        path = Server.MapPath("Uploaded Files")
        path = path + "\" + FileUpload1.FileName
        FileUpload1.SaveAs(path)

        'Print All The Inputed Detail in Label
        lblmsg.Text = "Name : " + sname + "<br/>" + "Gender : " + str + "<br/>" +
"Semester : " + sem + "<br/>" + "Hobbies : " + hobbies + "<br/>" + "Subject : " +
subject + "<br/>" + "DOB : " + dob + "<br/>" + "City : " + city + "<br/>" + "Language
: " + lang + "<br/>" + "File : " + path

    End Sub
End Class
```

Themes->.css File
```css
body
{
    background-color:#FFCC66;
    font-size:large;
    color:White;
    font-family:Candara;
}
h1
{
    color:#FFCC66;
    padding-bottom:0;
    font-size:55px;
    text-decoration:underline;
}
#form1
{
    background-color:#CC9900;
    width:500px;
    height:auto;
    margin-left:auto;
    margin-right:auto;
```

```
        padding:30px;
}

td
{
        padding-bottom:10px;
}
```

Output:-

Q2. Use session, query string, view state, cookies and application variable using appropriate example (Set and Get).

Code :-

.aspx code

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Default.aspx.vb"
Inherits="_Default" %>

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

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
    <div>
        <!-- Set values using various mechanisms -->
            <% Session("UserName") = "Krishna"%>

            <% Dim cookie As New HttpCookie("UserName") %>
            <% cookie.Value = "Krishna"%>
            <% Response.Cookies.Add(cookie) %>
            <% Application("TotalUsers") = 100 %>
            <% Response.Redirect("NextPage.aspx?param1=1&param2=2") %>
    </div>
    </form>
</body>
</html>
```

.aspx code

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="NextPage.aspx.vb"
Inherits="NextPage" %>

<!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>
    <% ViewState("Counter") = 30 %>
    <!-- Retrieve and display values from various mechanisms -->
            <h2>Values retrieved from various mechanisms:</h2>
            <p>Session State - UserName: <%= Session("UserName") %></p>
            <p>View State - Counter: <%= ViewState("Counter") %></p>
            <p>Cookies - UserName: <%= If(Request.Cookies("UserName") IsNot Nothing,
Request.Cookies("UserName").Value, String.Empty) %></p>
```

7

```
            <p>Application Variable - TotalUsers: <%= Application("TotalUsers")
%></p>

            <!-- Retrieve and display query string values -->
            <h2>Query String Values:</h2>
            <p>param1: <%= Request.QueryString("param1") %></p>
            <p>param2: <%= Request.QueryString("param2") %></p>
    </div>
    </form>
</body>
</html>
```
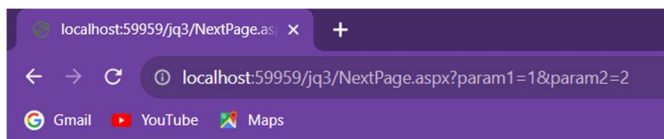
Output:-

Values retrieved from various mechanisms:

Session State - UserName: Krishna

View State - Counter: 30

Cookies - UserName: Krishna

Application Variable - TotalUsers: 100

Query String Values:

param1: 1

param2: 2

Q3. Develop web form for Vehicle Entry (Only HTML/ASPX Code).using appropriate master page, header, footer and data base table.

[Hint: Vehicle Master (V_Id, V_Name. V_Type, OwnerName, V PurchaseAmount, OwnerContactNo, OwnerEmail, OwnerAddress, V_RegDate)]

Code :-

Vehicle Entry Form

.aspx code

```
<%@ Page Title="" Language="VB" MasterPageFile="~/MasterPage.master"
AutoEventWireup="false" CodeFile="reg.aspx.vb" Inherits="reg" %>
<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1" runat="Server">
    <div class="tbl">
        <br />
        <table>
            <tr>
                <td colspan="2">
                    <h1 class="ttl" style="color: #66FFCC">
                        Entry Form</h1>
                </td></tr>
            <tr>
                <td colspan="2">
                    <asp:Label ID="lblmsg" runat="server"
ForeColor="#66FFCC"></asp:Label>
                </td>
            </tr>
            <tr>
                <td style="width: 646px; height: 30px;">
                    Vehicle Name :
                </td>
                <td style="width: 1016px; height: 30px;">
                    <asp:DropDownList ID="vname" runat="server" Height="40px"
Width="154px">
                        <asp:ListItem>--Select Name--</asp:ListItem>
                        <asp:ListItem>Activa</asp:ListItem>
                        <asp:ListItem>Maruti Suzuki</asp:ListItem>
                        <asp:ListItem>OLA</asp:ListItem>
                        <asp:ListItem>Splender</asp:ListItem>
                        <asp:ListItem>Access 125</asp:ListItem>
                        <asp:ListItem>Ford Mustang</asp:ListItem>
                        <asp:ListItem>KIA</asp:ListItem>
                        <asp:ListItem>Rickshaw</asp:ListItem>
                        <asp:ListItem>Mahindra</asp:ListItem>
                    </asp:DropDownList>
                </td></tr>
            <tr>
                <td style="height: 31px; width: 646px;">
                    Vehicle Type :
                </td>
                <td style="height: 31px; width: 1016px;">
                    <asp:RadioButton ID="twowheel" runat="server" GroupName="type"
Text="Two Wheeler" ValidationGroup="abc" />
```

```
                    <br />
                    <asp:RadioButton ID="threewheel" runat="server" GroupName="type"
Text="Three Wheeler" ValidationGroup="abc" />
                    <br />
                    <asp:RadioButton ID="fourwheel" runat="server" GroupName="type"
Text="Four Wheeler" ValidationGroup="abc" />
            </td></tr>
        <tr>
            <td style="width: 646px">
                Owner Name :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="oname" runat="server"></asp:TextBox>
            </td></tr>
        <tr>
            <td style="width: 646px">
                Vehicle Purchase Amount :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="pamount" runat="server"
TextMode="Number"></asp:TextBox>
            </td></tr>
        <tr>
            <td style="width: 646px">
                Contact No. :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="cno" runat="server"
TextMode="Number"></asp:TextBox>
            </td></tr>
        <tr>
            <td style="width: 646px">
                Email :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="email" runat="server"></asp:TextBox>
            </td></tr>
        <tr>
            <td style="width: 646px">
                Address :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="address" runat="server" Height="41px"
TextMode="MultiLine"></asp:TextBox>
            </td></tr>
        <tr>
            <td style="height: 30px; width: 646px;">
                Vehicle Register Date :
            </td>
            <td style="height: 30px; width: 1016px;">
                <asp:TextBox ID="vregdate" runat="server"></asp:TextBox>
            </td></tr>
        <tr>
            <td colspan="2" align="center">
```

```
                        <asp:Button ID="updatebtn" runat="server" Text="Update"
ValidationGroup="abc" Height="45px" Width="80px" Visible="False" />
                        <asp:Button ID="submit" runat="server" Text="Submit"
ValidationGroup="abc" Height="45px" Width="80px" />
                        <asp:Button ID="reset" runat="server" Text="Reset" Height="45px"
Width="80px" />
                </td></tr>
        </table>
    </div>
       
    <br />
</asp:Content>
```

Output:-

->Master Page

.aspx code

```
<%@ Master Language="VB" CodeFile="MasterPage.master.vb" Inherits="MasterPage" %>
<!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">
        .style2
```

```
            {
                width: 1243px;}
        </style>
</head>
<body>
        <form id="form1" runat="server">
        <div style="width: 982px; margin-right: 415px">
            <table>

                <tr>
                    <td class="style2">
                        <h1 align="center" style="color: #006666">Vehicle
Register</h1></td>
                </tr>
                <tr>
                    <td class="style1">
                        <asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
                        </asp:ContentPlaceHolder>
                    </td></tr>
                <tr>
                <td class="style2" align="center" style="color: #006666">Copyright ©
Vehicle LTD. All rights reserved.
                </td></tr>
            </table>
        </div>
    </form>
</body>
</html>
```

DataBase Table

Field Name	Data Type
VId	AutoNumber
VName	Short Text
VType	Short Text
OName	Short Text
PAmount	Number
CNo	Number
Email	Short Text
Address	Short Text
VRegDate	Date/Time

Output :-

MasterPage.master ×   reg.aspx.vb   reg.aspx

Vehicle Register

td.style2

Copyright © Vehicle LTD. All rights reserved.

12

Q4. Apply validations in the form developed in the above Question No. 3.

Code :-

.aspx code

```
<tr>
            <td style="width: 646px">
                Owner Name :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="oname" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator3"
runat="server" ControlToValidate="oname" ErrorMessage="Enter the Owner Name."
ForeColor="Red" ValidationGroup="abc">*</asp:RequiredFieldValidator>
            </td>
        </tr>
        <tr>
            <td style="width: 646px">
                Vehicle Purchase Amount :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="pamount" runat="server"
TextMode="Number"></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator4"
runat="server" ControlToValidate="pamount" ErrorMessage="Enter the Purchase Amount."
ForeColor="Red" ValidationGroup="abc">*</asp:RequiredFieldValidator>
            </td>
        </tr>
        <tr>
            <td style="width: 646px">
                Contact No. :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="cno" runat="server" TextMode="Number"></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator5"
runat="server" ControlToValidate="cno" ErrorMessage="Enter your Contact Number."
ForeColor="Red" ValidationGroup="abc">*</asp:RequiredFieldValidator>
            </td>
        </tr>
        <tr>
            <td style="width: 646px">
                Email :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="email" runat="server"></asp:TextBox>
                <asp:RegularExpressionValidator ID="RegularExpressionValidator1"
runat="server" ControlToValidate="email" ErrorMessage="Enter Valid Email Adress."
ForeColor="Red" ValidationExpression="\w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-.]\w+)*"
ValidationGroup="abc">*</asp:RegularExpressionValidator>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator10"
runat="server" ControlToValidate="email" ErrorMessage="Enter your Email Adress."
ForeColor="Red" ValidationGroup="abc">*</asp:RequiredFieldValidator>
            </td>
        </tr>
```

13

```
        <tr>
            <td style="width: 646px">
                Address :
            </td>
            <td style="width: 1016px">
                <asp:TextBox ID="address" runat="server" Height="41px"
TextMode="MultiLine"></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator7"
runat="server" ControlToValidate="address" ErrorMessage="Enter Your current Adress."
ForeColor="Red" ValidationGroup="abc">*</asp:RequiredFieldValidator>
            </td>
        </tr>
        <tr>
            <td style="height: 30px; width: 646px;">
                Vehicle Register Date :
            </td>
            <td style="height: 30px; width: 1016px;">
                <asp:TextBox ID="vregdate" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator8"
runat="server" ControlToValidate="vregdate" ErrorMessage="Select your Vehicle
Register Date." ForeColor="Red" ValidationGroup="abc">*</asp:RequiredFieldValidator>
            </td>
        </tr>
        <tr>
            <td>
            </td>
        <td>
            <asp:TextBox ID="txtSearch" runat="server"></asp:TextBox>
            <asp:Button ID="search" runat="server" Text="Search" Height="39px"
                Width="74px" />
            </td>
        </tr>
        <tr>
        <td colspan=2>
            <asp:ValidationSummary ID="ValidationSummary1" runat="server"
ForeColor="Red" ShowMessageBox="True" ValidationGroup="abc" style="margin-top: 5px"
/>
            </td>
        </tr>
        <tr>
        <td colspan=2 align="center">
            <asp:Button ID="updatebtn" runat="server" Text="Update"
ValidationGroup="abc" Height="45px" Width="80px" Visible="False" />
            <asp:Button ID="submit" runat="server" Text="Submit"
ValidationGroup="abc" Height="45px" Width="80px" />
            <asp:Button ID="reset" runat="server" Text="Reset" Height="45px"
Width="80px"/>
</td>
        </tr>
```

Output:-

Vehicle Register

Entry Form

Vehicle Name :   Activa

Vehicle Type :   ● Two Wheeler
                      ○ Three Wheeler
                      ● Four Wheeler

Owner Name :   Krishna

Vehicle Purchase Amount :   *

Contact No. :   *

Email :   *

Address :   *

Vehicle Register Date :   *

- Enter the Purchase Amount
- Enter your Contact Number
- Enter your Email Adress
- Enter Your current Adress
- Select your Vehicle Register Date

Submit   Reset

Q5. Develop code for insert, update, search and delete facilities using form developed in the above Question No. 3. Where GridView Control can be used.

Output:-

Access Database

Added this code in .aspx code

```
<tr>
        <td>
        </td>
    <td style="width: 1016px">
```

```
            <asp:TextBox ID="txtSearch" runat="server"></asp:TextBox>
            <asp:Button ID="search" runat="server" Text="Search" Height="39px"
                Width="74px" />
        </td>
    </tr>
        <tr>
    <td colspan=2>
            <asp:GridView ID="vehicledata" runat="server" CellPadding="4"
ForeColor="#333333" DataKeyNames="VId" EmptyDataText="No Records Found">
                <AlternatingRowStyle BackColor="White" />
                <Columns>
                    <asp:TemplateField ShowHeader="False">
                        <ItemTemplate>
                            <asp:LinkButton ID="LinkButton1" runat="server"
CausesValidation="False" CommandName="Delete" onclientclick="return confirm('Are sure
to delete');">Delete</asp:LinkButton>
                        </ItemTemplate>
                    </asp:TemplateField>
                    <asp:TemplateField ShowHeader="False">
                        <ItemTemplate>
                            <asp:LinkButton ID="LinkButton2" runat="server"
CausesValidation="False" CommandName="Select" Text="Edit"></asp:LinkButton>
                        </ItemTemplate>
                    </asp:TemplateField>
                </Columns>
                <EditRowStyle BackColor="#7C6F57" />
                <FooterStyle BackColor="#1C5E55" Font-Bold="True" ForeColor="White"
/>
                <HeaderStyle BackColor="#1C5E55" Font-Bold="True" ForeColor="White"
/>
                <PagerStyle BackColor="#666666" ForeColor="White"
HorizontalAlign="Center" />
                <RowStyle BackColor="#E3EAEB" />
                <SelectedRowStyle BackColor="#C5BBAF" Font-Bold="True"
ForeColor="#333333" />
                <SortedAscendingCellStyle BackColor="#F8FAFA" />
                <SortedAscendingHeaderStyle BackColor="#246B61" />
                <SortedDescendingCellStyle BackColor="#D4DFE1" />
                <SortedDescendingHeaderStyle BackColor="#15524A" />
            </asp:GridView>
            </td>
    </tr>
    <tr>
    <td colspan=2 align="center">
            <asp:Button ID="updatebtn" runat="server" Text="Update"
ValidationGroup="abc" Height="45px" Width="80px" Visible="False" />
            <asp:Button ID="submit" runat="server" Text="Submit"
ValidationGroup="abc" Height="45px" Width="80px" />
            <asp:Button ID="reset"
                runat="server" Text="Reset" Height="45px" Width="80px"/></td>
    </tr>
```

aspx.vb code to connect database and display It

```
Imports System.Data.OleDb
```

```vbnet
Imports System.Data
Partial Class reg
    Inherits System.Web.UI.Page

    Dim con As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\ASP JOURNAL\jq3\App_Data\dbvehicle.mdb;Persist Security Info=True")
    Dim cmd As New OleDbCommand
    Protected Sub reset_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles reset.Click
    End Sub

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

    Protected Sub Page_PreInit(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.PreInit
        Me.Theme = "Theme"
    End Sub

    Sub DisplayData()
        Dim dt As New DataTable
        Dim rdr As IDataReader
        Dim strQuery As String = "Select * from vehicle"
        cmd = New OleDbCommand(strQuery, con)
        con.Open()
        rdr = cmd.ExecuteReader
        dt.Load(rdr)
        con.Close()
        vehicledata.DataSource = dt
        vehicledata.DataBind()
    End Sub
```

Insert Facility

Record Inserted Successfully

Delete	Edit	9	KIA	Four wheeler	Vivek	98888	984545	vivek@gmail.com	Kamrej	21-01-2023 12:00:00 AM

Access Database

vehicle

VId	VName	VType	OName	PAmount	CNo	Email	Address	VRegDate
6	Activa	Two Wheeler	Krishna	896565	78888	krish@gmail.co	Surat	12-12-2012
7	Maruti Suzuki	Four wheeler	Isha	546456	45454532	xyz@gmail.com	mbnmbnmnb	23-03-2012
9	KIA	Four wheeler	Vivek	98888	984545	vivek@gmail.cc	Kamrej	21-01-2023
* (New)				0	0			

.aspx.vb code (Insert)

```vb
Protected Sub submit_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles submit.Click

        Dim strtype As String = ""
        If (twowheel.Checked = True) Then
            strtype = "Two Wheeler"
        ElseIf (threewheel.Checked = True) Then
            strtype = "Three Wheeler"
        Else
            strtype = "Four wheeler"
        End If
        Dim StrQuery As String = "Insert into
vehicle(VName,VType,OName,PAmount,CNo,Email,Address,VRegDate) values('" +
vname.SelectedItem.Text.ToString() + "','" + strtype + "','" + oname.Text + "','" +
pamount.Text + "','" + cno.Text + "','" + email.Text + "','" + address.Text + "','" +
vregdate.Text + "')"
        cmd = New OleDb.OleDbCommand(StrQuery, con)
        con.Open()
        cmd.ExecuteNonQuery()
        con.Close()
        lblmsg.Text = "Record Inserted Successfully"
        vname.SelectedIndex = 0
        twowheel.Checked = False
        threewheel.Checked = False
        fourwheel.Checked = False
        oname.Text = ""
        pamount.Text = ""
        cno.Text = ""
        email.Text = ""
        address.Text = ""
        vregdate.Text = ""
        DisplayData()
    End Sub
```

Update Facility

		VId	VName	VType	OName	PAmount	CNo	Email	Address	VRegDate
Delete	Edit	6	Access 125	Four wheeler	Krishna	896565	988776	krishna@gmail.com	Surat	12-12-2012 12:00:00 AM

Access Database

.aspx.vb code (Update)

```
    Protected Sub vehicledata_SelectedIndexChanging(ByVal sender As Object, ByVal e
As System.Web.UI.WebControls.GridViewSelectEventArgs) Handles
vehicledata.SelectedIndexChanging
        updatebtn.Visible = True
        submit.Visible = False
        Dim vid As String =
vehicledata.DataKeys(e.NewSelectedIndex)("VId").ToString()
        ViewState("vid") = vid
        Dim dt As New DataTable
        Dim rdr As IDataReader
        Dim strQuery As String = "Select * from vehicle where VId=" + vid
        cmd = New OleDbCommand(strQuery, con)
        con.Open()
        rdr = cmd.ExecuteReader
```

20

```vbnet
            dt.Load(rdr)
            con.Close()
            If (dt.Rows.Count > 0) Then
                vname.SelectedItem.Text = dt.Rows(0)("VName").ToString()
                Dim strtype As String = dt.Rows(0)("VType").ToString()
                If (strtype = "two Wheeler") Then
                    twowheel.Checked = True
                    threewheel.Checked = False
                    fourwheel.Checked = False
                ElseIf (strtype = "three wheeler") Then
                    twowheel.Checked = False
                    threewheel.Checked = True
                    fourwheel.Checked = False
                Else
                    twowheel.Checked = False
                    threewheel.Checked = False
                    fourwheel.Checked = True
                End If
                oname.Text = dt.Rows(0)("OName").ToString()
                pamount.Text = dt.Rows(0)("PAmount").ToString()
                cno.Text = dt.Rows(0)("CNo").ToString()
                email.Text = dt.Rows(0)("Email").ToString()
                address.Text = dt.Rows(0)("Address").ToString()
                vregdate.Text = dt.Rows(0)("VRegDate").ToString()
            End If
        End Sub

    Protected Sub updatebtn_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles updatebtn.Click
        Dim strtype As String = ""
        If (twowheel.Checked = True) Then
            strtype = "Two Wheeler"
        ElseIf (threewheel.Checked = True) Then
            strtype = "Three Wheeler"
        Else
            strtype = "Four wheeler"
        End If
        Dim StrQuery As String = "update vehicle set VName='" + vname.Text +
"',VType='" + strtype.ToString() + "',OName='" + oname.Text + "',PAmount='" +
pamount.Text + "',CNo='" + cno.Text + "',Email='" + email.Text + "',Address='" +
address.Text + "',VRegDate='" + vregdate.Text + "' where vid=" +
ViewState("vid").ToString()
        cmd = New OleDb.OleDbCommand(StrQuery, con)
        con.Open()
        cmd.ExecuteNonQuery()
        con.Close()
        lblmsg.Text = "Record Updated Successfully"
        vname.SelectedIndex = 0
        twowheel.Checked = False
        threewheel.Checked = False
        fourwheel.Checked = False
        oname.Text = ""
        pamount.Text = ""
        cno.Text = ""
        email.Text = ""
```

```
        address.Text = ""
        vregdate.Text = ""
        vname.SelectedItem.Text = "--Select Name--"
        DisplayData()
        updatebtn.Visible = False
        submit.Visible = True
    End Sub
```

Search Facility

.aspx.vb code (Search)

```vbnet
Protected Sub search_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles search.Click
        Dim dt As New DataTable
        Dim rdr As IDataReader
        Dim strQuery As String = "Select * from vehicle where VId like '%" +
txtSearch.Text + "%' OR VType like '%" + txtSearch.Text + "%'"
        cmd = New OleDbCommand(strQuery, con)
        con.Open()
        rdr = cmd.ExecuteReader
        dt.Load(rdr)
        con.Close()
        vehicledata.DataSource = dt
        vehicledata.DataBind()
End Sub
```

Delete Facility


```

**localhost:59959 says**

Are sure to delete

[ OK ]   [ Cancel ]

Record Deleted Successfully

## Access Database

| VId | VName | VType | OName | PAmount | CNo | Email | Address | VRegDate |
|---|---|---|---|---|---|---|---|---|
| 5 | Access 125 | Four wheeler | Krishna | 896565 | 988776 | krishna@gmail. | Surat | 12-12-2012 |
| 7 | Maruti Suzuki | Four wheeler | Isha | 546456 | 45454532 | xyz@gmail.com | mbnmbnmnb | 23-03-2012 |
| * (New) | | | | 0 | 0 | | | |

## .aspx.vb code (Delete)

```vb
Protected Sub vehicledata_RowDeleting(ByVal sender As Object, ByVal e As
System.Web.UI.WebControls.GridViewDeleteEventArgs) Handles vehicledata.RowDeleting
        Dim strVId As String = vehicledata.DataKeys(e.RowIndex)("VId").ToString
        Dim strQuery As String
        strQuery = "Delete from vehicle Where VId=" + strVId
        cmd = New OleDbCommand(strQuery, con)
        con.Open()
        cmd.ExecuteNonQuery()
        con.Close()
        lblmsg.Text = "Record Deleted Successfully"
        DisplayData()
End Sub
```

Q6. Create and consume a web service to display multiplication and division operations.

Code :-

.aspx code

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="consumeWebService.aspx.vb"
Inherits="consumeWebService" Theme="Theme" %>

<!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" class=tbl1>
    <div>
        Enter No1
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br /><br />
         Enter No2
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br /><br />
        <asp:Button ID="mult" runat="server" Text="Multiplication" Height="44px"
            Width="103px" />
        <asp:Button ID="div" runat="server" Text="Division" Height="44px"
            Width="103px" /><br /><br />
        <asp:Label ID="Label1" runat="server"></asp:Label>
    </div>
    </form>
</body>
</html>
```

.aspx.vb code

```
Partial Class consumeWebService
    Inherits System.Web.UI.Page

    Protected Sub mult_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles mult.Click
        Dim obj As New WebService
        Dim str As String
        str = obj.multiplication(TextBox1.Text, TextBox2.Text)
        Label1.Text = "Multiplication : " + str
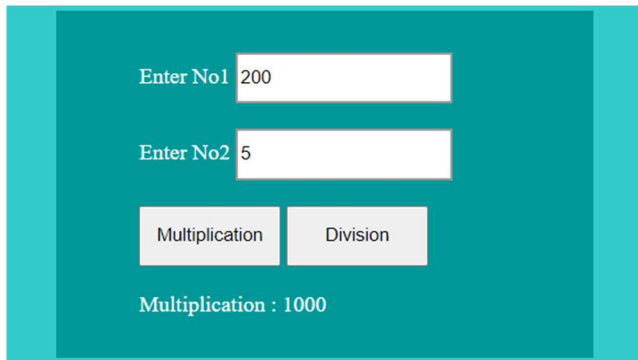    End Sub

    Protected Sub div_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles div.Click
        Dim obj As New WebService
        Dim str As String
        str = obj.division(TextBox1.Text, TextBox2.Text)
        Label1.Text = "Division : " + str
    End Sub
End Class
```

24

App Code -> .vb code

```vb
Imports System.Web
Imports System.Web.Services
Imports System.Web.Services.Protocols
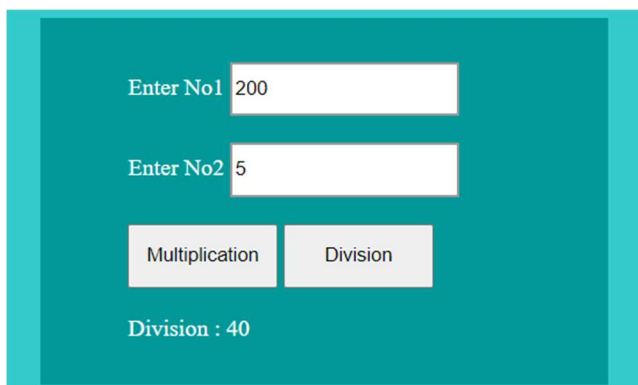<WebService(Namespace:="http://tempuri.org/")> _
<WebServiceBinding(ConformsTo:=WsiProfiles.BasicProfile1_1)> _
<Global.Microsoft.VisualBasic.CompilerServices.DesignerGenerated()> _
Public Class WebService
    Inherits System.Web.Services.WebService
    <WebMethod()> _
    Public Function multiplication(ByVal a As Integer, ByVal b As Integer) As String
        Return a * b
    End Function
    <WebMethod()> _
    Public Function division(ByVal a As Integer, ByVal b As Integer) As String
        Return a / b
    End Function
End Class
```

Output :-

25

Q7. Apply exception handling in Question No.3

->When insert date in form the exception occurs

System.Data.OleDb.OleDbException (0x80040E14): The INSERT INTO statement contains the following unknown field name: 'VReDate'. Make sure you have typed the name correctly, and try the operation again. at System.Data.OleDb.OleDbCommand.ExecuteCommandTextErrorHandling(OleDbHResult hr) at System.Data.OleDb.OleDbCommand.ExecuteCommandTextForSingleResult(tagDBPARAMS dbParams, Object& executeResult) at System.Data.OleDb.OleDbCommand.ExecuteCommandText(Object& executeResult) at System.Data.OleDb.OleDbCommand.ExecuteCommand(CommandBehavior behavior, Object& executeResult) at System.Data.OleDb.OleDbCommand.ExecuteReaderInternal(CommandBehavior behavior, String method) at System.Data.OleDb.OleDbCommand.ExecuteNonQuery() at reg.submit_Click(Object sender, EventArgs e) in C:\ASP JOURNAL\jq3\reg.aspx.vb:line 52

.aspx.vb code

```vb
Protected Sub submit_Click(ByVal sender As Object, ByVal e As System.EventArgs)
Handles submit.Click

        Try
            Dim strtype As String = ""
            If (twowheel.Checked = True) Then
                strtype = "Two Wheeler"
            ElseIf (threewheel.Checked = True) Then
                strtype = "Three Wheeler"
            Else
                strtype = "Four wheeler"
            End If
            Dim StrQuery As String = "Insert into
vehicle(VName,VType,OName,PAmount,CNo,Email,Address,VReDate) values('" +
vname.SelectedItem.Text.ToString() + "','" + strtype + "','" + oname.Text + "','" +
pamount.Text + "','" + cno.Text + "','" + email.Text + "','" + address.Text + "','" +
vregdate.Text + "')"
            cmd = New OleDb.OleDbCommand(StrQuery, con)
            con.Open()
            cmd.ExecuteNonQuery()
            con.Close()
            lblmsg.Text = "Record Inserted Successfully"
            vname.SelectedIndex = 0
            twowheel.Checked = False
            threewheel.Checked = False
            fourwheel.Checked = False
            oname.Text = ""
            pamount.Text = ""
            cno.Text = ""
            email.Text = ""
            address.Text = ""
            vregdate.Text = ""
            DisplayData()
        Catch ex As Exception
            Response.Write(ex)
        End Try

    End Sub
```

Q8. Apply themes in Question No.3
Code :-

add in .aspx.vb code for Apply Theme

```vb
    Protected Sub Page_PreInit(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.PreInit
        Me.Theme = "Theme"
    End Sub
```

Themes->.skin File

```
<asp:TextBox runat="server" BorderColor="#999999" BorderStyle="Double"
Height="32px" Width="150px"></asp:TextBox>
```

Themes->.css File

```css
body
{
    background-color:#33CCCC;
}

.tbl
{
    margin-left:auto;
    margin-right:auto;
    height:auto;
    width:910px;
    background-color:#009999;
    padding:30px;
    padding-left:60px;
    color:White;
    }
    .frmmst
    {
        margin-left:400px;
    margin-right:auto;
    height:auto;
        }
td
{
    padding-bottom:20px;
    }

.ttl
{
    font-size:50px;
}
```

Output:-

Vehicle Register

Entry Form

Vehicle Name :   --Select Name-- ▼

Vehicle Type :   ● Two Wheeler
● Three Wheeler
● Four Wheeler

Owner Name :

Vehicle Purchase Amount :

Contact No. :

Email :

Address :

Vehicle Register Date :

Submit   Reset

Search

		VId	VName	VType	OName	PAmount	CNo	Email	Address	VRegDate
Delete	Edit	6	Activa	Two Wheeler	Krishna	896565	78888	krish@gmail.com	Surat	12-12-2012 12:00:00 AM
Delete	Edit	7	Maruti Suzuki	Four wheeler	Isha	546456	45454532	xyz@gmail.com	mbnmbnmnb	23-03-2012 12:00:00 AM
Delete	Edit	9	KIA	Four wheeler	Vivek	98888	984545	vivek@gmail.com	Kamrej	21-01-2023 12:00:00 AM

Q9. *Apply proper security in Question No.3*

Code :-

.aspx.vb code

```vb
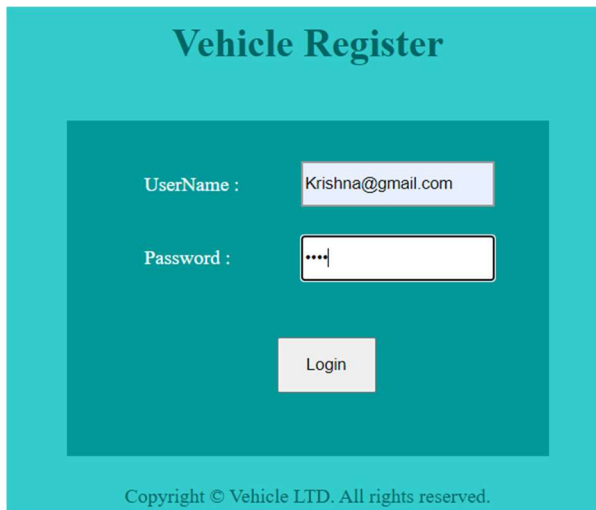Imports System.Data.OleDb
Imports System.Data
Partial Class reg
    Inherits System.Web.UI.Page

    Dim con As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=C:\ASP JOURNAL\jq3\App_Data\dbvehicle.mdb;Persist Security Info=True")
    Dim cmd As New OleDbCommand
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
        If Not (Session("uname") Is Nothing) Then
        Else
            Response.Redirect("LoginPage.aspx")
        End If
        DisplayData()
    End Sub

    Protected Sub btnlogout_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles btnlogout.Click
        Session.Abandon()
        Response.Redirect("LoginPage.aspx")
    End Sub
```

Output:-

29

Vehicle Register

Log Out

Entry Form

Vehicle Name :   --Select Name--

Vehicle Type :
- Two Wheeler
- Three Wheeler
- Four Wheeler

Owner Name :

Vehicle Purchase Amount :

Contact No. :

Email :

Address :

Vehicle Register Date :

Submit   Reset

Search

		VId	VName	VType	OName	PAmount	CNo	Email	Address	VRegDate
Delete	Edit	6	Access 125	Four wheeler	Krishna	896565	988776	krishna@gmail.com	Surat	12-12-2012 12:00:00 AM
Delete	Edit	7	Maruti Suzuki	Four wheeler	Isha	546456	45454532	xyz@gmail.com	mbnmbnmnb	23-03-2012 12:00:00 AM

Vehicle Register

UserName :   Krishna@gmail.com

Password :

UserName or Password Incorrect

Login

30