

Problem 1: Develop an asp.net page that displays a list box with following options:

Java
JavaScript
C#
C++
C
Python
SQL
HTML
CSS
PHP

On clicking an option the page displays a basic introductory statement about selected option in a label control. Do not allow multiple selections.

Languages.aspx:

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Programming Language Info</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h2>Select a Programming Language</h2>
            <asp:ListBox ID="lstLanguages" runat="server" AutoPostBack="True"
SelectionMode="Single" OnSelectedIndexChanged="lstLanguages_SelectedIndexChanged">
                <asp:ListItem>Java</asp:ListItem>
                <asp:ListItem>JavaScript</asp:ListItem>
                <asp:ListItem>C#</asp:ListItem>
                <asp:ListItem>C++</asp:ListItem>
                <asp:ListItem>C</asp:ListItem>
                <asp:ListItem>Python</asp:ListItem>
                <asp:ListItem>SQL</asp:ListItem>
                <asp:ListItem>HTML</asp:ListItem>
                <asp:ListItem>CSS</asp:ListItem>
                <asp:ListItem>PHP</asp:ListItem>
            </asp:ListBox>
            <br /><br />
            <asp:Label ID="lblInfo" runat="server" Font-Size="Larger"
ForeColor="Blue"></asp:Label>
        </div>
    </form>
</body>
</html>
```

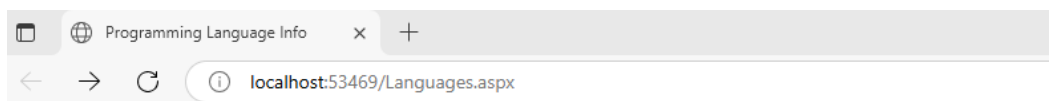
Languages.aspx.vb:

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

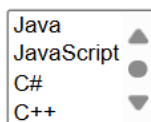
    Protected Sub lstLanguages_SelectedIndexChanged(sender As Object, e As EventArgs)
        Dim selectedLang As String = lstLanguages.SelectedItem.Text
        Select Case selectedLang
```

```
Case "Java"
    lblInfo.Text = "Java is a high-level, class-based, object-oriented
programming language."
Case "JavaScript"
    lblInfo.Text = "JavaScript is a scripting language mainly used for web
development."
Case "C#"
    lblInfo.Text = "C# is a modern, object-oriented language developed by
Microsoft."
Case "C++"
    lblInfo.Text = "C++ is an extension of C that supports object-oriented
programming."
Case "C"
    lblInfo.Text = "C is a powerful general-purpose programming language."
Case "Python"
    lblInfo.Text = "Python is a high-level, interpreted language known for
its readability."
Case "SQL"
    lblInfo.Text = "SQL is used to communicate with and manage relational
databases."
Case "HTML"
    lblInfo.Text = "HTML is the standard markup language for creating web
pages."
Case "CSS"
    lblInfo.Text = "CSS is used to style and layout web pages."
Case "PHP"
    lblInfo.Text = "PHP is a popular server-side scripting language for web
development."
Case Else
    lblInfo.Text = ""
End Select
End Sub
End Class
```

Output:



Select a Programming Language



Problem 2) Develop a page that dynamically creates a table with x rows and y columns. Allow the user to enter number of rows and columns in two drop down lists present above table. On clicking a generate button the table should be rendered. Set the border color of table as red. In first cell of each row display a drop down list with following options; (a) Urdu (b) English (c) Arabic (d) Chinese. In all other cells display the row number followed by column number as {x, y}. In last row add a radio button list in each cell with following options; (a) 1 (b) 2 (c) 3 (d) 4. Set the background of last row as grey.

Solution)

Code:

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Dynamic Table Generator</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h2>Dynamic Table Generator</h2>

            <asp:Label ID="lblRows" runat="server" Text="Select Rows: "></asp:Label>
            <asp:DropDownList ID="ddlRows" runat="server">
                <asp:ListItem Text="2" />
                <asp:ListItem Text="3" />
                <asp:ListItem Text="4" />
                <asp:ListItem Text="5" />
            </asp:DropDownList>

            <asp:Label ID="lblCols" runat="server" Text="Select Columns: "></asp:Label>
            <asp:DropDownList ID="ddlCols" runat="server">
                <asp:ListItem Text="2" />
                <asp:ListItem Text="3" />
                <asp:ListItem Text="4" />
                <asp:ListItem Text="5" />
            </asp:DropDownList>

            <asp:Button ID="btnGenerate" runat="server" Text="Generate Table"
OnClick="btnGenerate_Click" />

            <br /><br />

            <asp:Placeholder ID="phTable" runat="server"></asp:Placeholder>
        </div>
    </form>
</body>
</html>
```

DynamicTables.aspx.vb:

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

    Protected Sub btnGenerate_Click(sender As Object, e As EventArgs)
        Dim rowCount As Integer = Integer.Parse(ddlRows.SelectedValue)
        Dim colCount As Integer = Integer.Parse(ddlCols.SelectedValue)

        Dim tbl As New Table()
        tbl.BorderColor = Drawing.Color.Red
```

```

tbl.BorderWidth = 2
tbl.GridLines = GridLines.Both

For r As Integer = 1 To rowCount
    Dim tr As New TableRow()

    For c As Integer = 1 To colCount
        Dim td As New TableCell()

        ' First cell of each row: DropDownList
        If c = 1 Then
            Dim langList As New DropDownList()
            langList.Items.Add("Urdu")
            langList.Items.Add("English")
            langList.Items.Add("Arabic")
            langList.Items.Add("Chinese")
            td.Controls.Add(langList)
        ElseIf r = rowCount Then
            ' Last row: RadioButtonList in every cell
            Dim radioList As New RadioButtonList()
            radioList.RepeatDirection = RepeatDirection.Horizontal
            radioList.Items.Add("1")
            radioList.Items.Add("2")
            radioList.Items.Add("3")
            radioList.Items.Add("4")
            td.Controls.Add(radioList)
            td.BackColor = Drawing.Color.Gray
        Else
            ' Other cells: Display {x, y}
            td.Text = "{" & r & ", " & c & "}"
        End If

        tr.Cells.Add(td)
    Next

    tbl.Rows.Add(tr)
Next

phTable.Controls.Clear()
phTable.Controls.Add(tbl)
End Sub
End Class

```

Output:

