

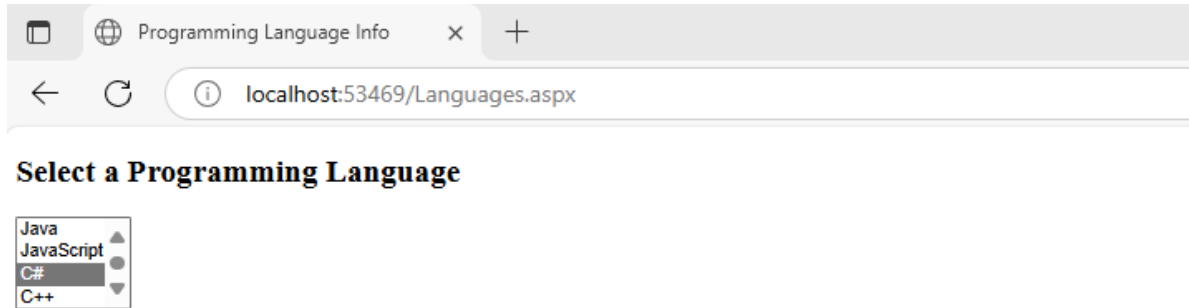
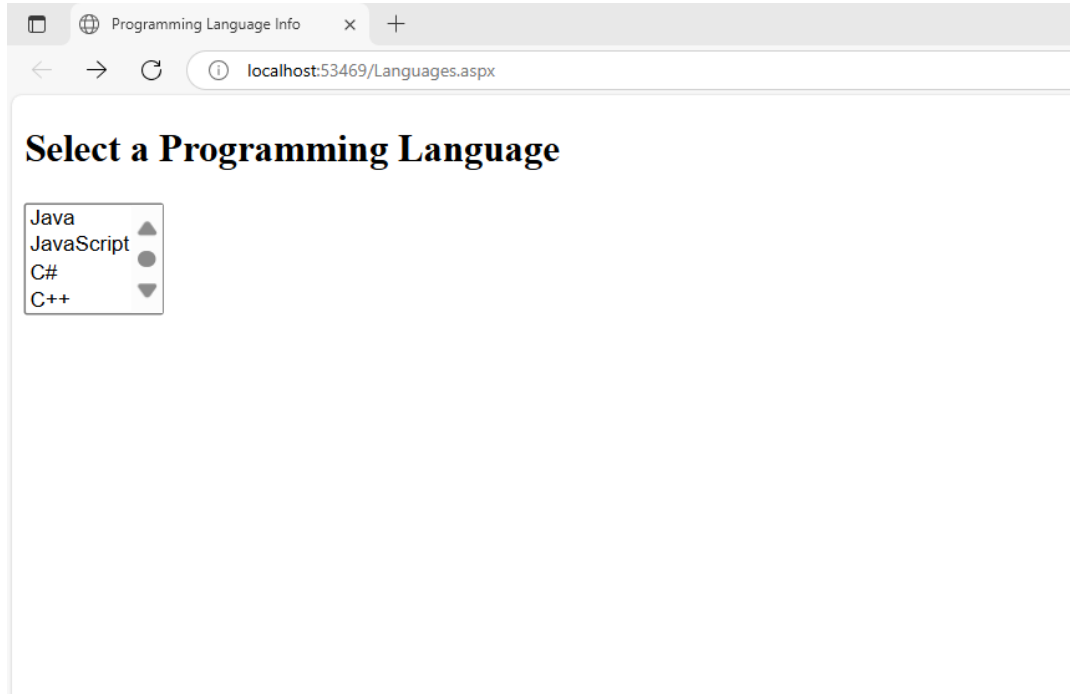
## PROBLEM 1:

### Code Snippets:

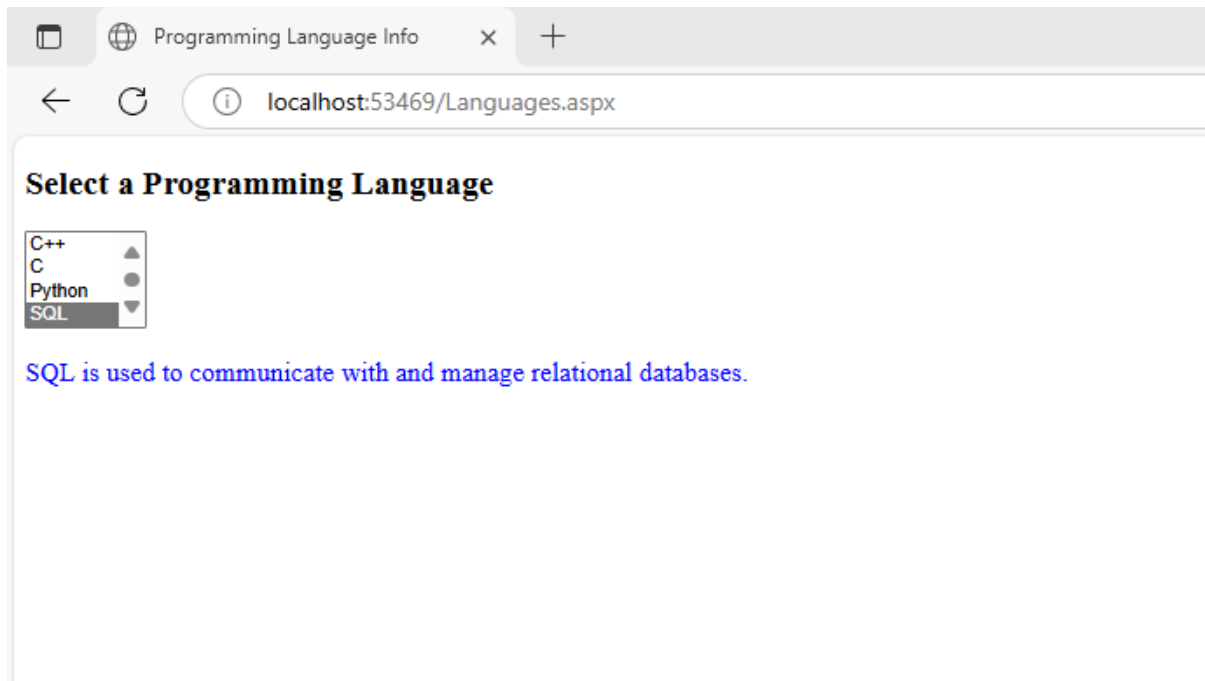
```
1  Page Language="VB" AutoEventWireup="false" CodeFile="Languages.aspx.vb" Inherits="Languages"
2
3  <!DOCTYPE html>
4  <html xmlns="http://www.w3.org/1999/xhtml">
5  <head runat="server">
6  <title>Programming Language Info</title>
7  </head>
8  <body>
9  <form id="form1" runat="server">
10 <div>
11 <h2>Select a Programming Language</h2>
12 <asp:ListBox ID="lstLanguages" runat="server" AutoPostBack="True" SelectionMode="Single" OnSelectedIndexChanged="lstLanguages_SelectedIndexChanged">
13 <asp:ListItem>Java</asp:ListItem>
14 <asp:ListItem>JavaScript</asp:ListItem>
15 <asp:ListItem>C#</asp:ListItem>
16 <asp:ListItem>C++</asp:ListItem>
17 <asp:ListItem>C</asp:ListItem>
18 <asp:ListItem>Python</asp:ListItem>
19 <asp:ListItem>SQL</asp:ListItem>
20 <asp:ListItem>HTML</asp:ListItem>
21 <asp:ListItem>CSS</asp:ListItem>
22 <asp:ListItem>PHP</asp:ListItem>
23 </asp:ListBox>
24 <br /><br />
25 <asp:Label ID="lblInfo" runat="server" Font-Size="Larger" ForeColor="Blue"></asp:Label>
26 </div>
27 </form>
28 </body>
29 </html>
30
```

```
1  Partial Class Languages
2  Inherits System.Web.UI.Page
3
4  Protected Sub lstLanguages_SelectedIndexChanged(sender As Object, e As EventArgs)
5  Dim selectedLang As String = lstLanguages.SelectedItem.Text
6  Select Case selectedLang
7  Case "Java"
8  lblInfo.Text = "Java is a high-level, class-based, object-oriented programming language."
9  Case "JavaScript"
10 lblInfo.Text = "JavaScript is a scripting language mainly used for web development."
11 Case "C#"
12 lblInfo.Text = "C# is a modern, object-oriented language developed by Microsoft."
13 Case "C++"
14 lblInfo.Text = "C++ is an extension of C that supports object-oriented programming."
15 Case "C"
16 lblInfo.Text = "C is a powerful general-purpose programming language."
17 Case "Python"
18 lblInfo.Text = "Python is a high-level, interpreted language known for its readability."
19 Case "SQL"
20 lblInfo.Text = "SQL is used to communicate with and manage relational databases."
21 Case "HTML"
22 lblInfo.Text = "HTML is the standard markup language for creating web pages."
23 Case "CSS"
24 lblInfo.Text = "CSS is used to style and layout web pages."
25 Case "PHP"
26 lblInfo.Text = "PHP is a popular server-side scripting language for web development."
27 Case Else
28 lblInfo.Text = ""
29 End Select
30 End Sub
31 End Class
32
```

## **Output:**



[C# is a modern, object-oriented language developed by Microsoft.](#)



## PROBLEM 2:

### Code Snippets:

```
DynamicTable.aspx.vb    DynamicTable.aspx    Languages.aspx.vb    Languages.aspx
1  Page Language="VB" AutoEventWireup="false" CodeFile="DynamicTable.aspx.vb" Inherits="DynamicTable"
2
3  <!DOCTYPE html>
4  <html xmlns="http://www.w3.org/1999/xhtml">
5  <head runat="server">
6      <title>Dynamic Table Generator</title>
7  </head>
8  <body>
9      <form id="form1" runat="server">
10         <div>
11             <h2>Dynamic Table Generator</h2>
12
13             <asp:Label ID="lblRows" runat="server" Text="Select Rows: "></asp:Label>
14             <asp:DropDownList ID="ddlRows" runat="server">
15                 <asp:ListItem Text="2" />
16                 <asp:ListItem Text="3" />
17                 <asp:ListItem Text="4" />
18                 <asp:ListItem Text="5" />
19             </asp:DropDownList>
20
21             <asp:Label ID="lblCols" runat="server" Text="Select Columns: "></asp:Label>
22             <asp:DropDownList ID="ddlCols" runat="server">
23                 <asp:ListItem Text="2" />
24                 <asp:ListItem Text="3" />
25                 <asp:ListItem Text="4" />
26                 <asp:ListItem Text="5" />
27             </asp:DropDownList>
28
29             <asp:Button ID="btnGenerate" runat="server" Text="Generate Table" OnClick="btnGenerate_Click" />
30
31             <br /><br />
32
33             <asp:Placeholder ID="phTable" runat="server"></asp:Placeholder>
34         </div>
35     </form>
36 </body>
37 </html>
```

```
DynamicTable.aspx.vb  x DynamicTable.aspx  Languages.aspx.vb  Languages.aspx
5_DynamicTable.aspx  DynamicTable  btnGenerate_Click

2 references
1  Partial Class DynamicTable
2      Inherits System.Web.UI.Page
3
0 references
4  Protected Sub btnGenerate_Click(sender As Object, e As EventArgs)
5      Dim rowCount As Integer = Integer.Parse(ddlRows.SelectedValue)
6      Dim colCount As Integer = Integer.Parse(ddlCols.SelectedValue)
7
8      Dim tbl As New Table()
9      tbl.BorderColor = Drawing.Color.Red
10     tbl.BorderWidth = 2
11     tbl.GridLines = GridLines.Both
12
13     For r As Integer = 1 To rowCount
14         Dim tr As New TableRow()
15
16         For c As Integer = 1 To colCount
17             Dim td As New TableCell()
18
19             ' First cell of each row: DropDownList
20             If c = 1 Then
21                 Dim langList As New DropDownList()
22                 langList.Items.Add("Urdu")
23                 langList.Items.Add("English")
24                 langList.Items.Add("Arabic")
25                 langList.Items.Add("Chinese")
26                 td.Controls.Add(langList)
27             ElseIf r = rowCount Then
28                 ' Last row: RadioButtonList in every cell
29                 Dim radiolist As New RadioButtonList()
30                 radiolist.RepeatDirection = RepeatDirection.Horizontal
31                 radiolist.Items.Add("1")
32                 radiolist.Items.Add("2")
33                 radiolist.Items.Add("3")
34                 radiolist.Items.Add("4")
35                 td.Controls.Add(radiolist)
36                 td.BackColor = Drawing.Color.Gray
37             Else
38                 ' Empty cell
39                 td.Text = " "
40             End If
41         Next c
42     Next r
43     tbl.Controls.Add(tr)
44 End Sub
```

## Output:

Dynamic Table Generator

localhost:53469/DynamicTable.aspx

Dynamic Table Generator

Select Rows:  Select Columns:

Dynamic Table Generator

×

+

←

↻

i

localhost:53469/DynamicTable.aspx

Dynamic Table Generator

Select Rows: 

3

▼ Select Columns: 

3

▼ 

Generate Table

English ▼	<div>{1, 2}</div>	<div>{1, 3}</div>
Arabic ▼	<div>{2, 2}</div>	<div>{2, 3}</div>
Urdu ▼	<div><div><div>●</div><div>1</div><div>○</div><div>2</div><div>●</div><div>3</div><div>●</div><div>4</div></div></div>	<div><div><div>●</div><div>1</div><div>○</div><div>2</div><div>●</div><div>3</div><div>●</div><div>4</div></div></div>