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Lab no 04

Internet Application Development

Muhammad Ahmed Naseer

Roll no: BS-20-GB-108417

Develop an asp.net page that displays a list of options with check boxes (Use CheckBoxList web control). On clicking a button (web control) the page displays the selected options in a label control.

ASPX CODE

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="prob_01.aspx.vb"
Inherits="lab04_prob_01" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
 <title></title>
</head>
<body>
 <form id="form1" runat="server">
 <div>
 <label>Choose your Favourite Programming Languages: </label>
 <br />
 <br />
 <asp:CheckBoxList id="cb1" runat="server">
 </asp:CheckBoxList>
 <br />
 <br />
 <button runat="server" id="btn1" >OK</button>
 <br />
 <br />
 <div runat ="server" id="div1">
 <asp:label runat="server" id="label1"></asp:label>
 </div>
 </div>
 </form>
</body>
</html>
```

VB.NET

```
Partial Class lab04_prob_01
    Inherits System.Web.UI.Page
    Private Sub _Default_Load(sender As Object, e As EventArgs) Handles Me.Load
        Dim languages() As String = {"C++", "Java", "Kotlin", "C", "Assembly", "VB.NET",
        "Fortran"}
        Dim size As Decimal = languages.Length()
        If Me.IsPostBack = False Then
            For i = 0 To size - 1
                cb1.Items.Add(languages(i))
            Next
        End If
    End Sub
    Private Sub showLanguages() Handles btn1.ServerClick
```

```vb
        label1.Text = "You Choose : <b></br>"
        Dim listItem As ListItem
        For Each listItem In cb1.Items
            If (listItem.Selected) Then
                label1.Text &= "</br>" + listItem.Text
            End If
        Next
    End Sub
End Class
```

OUTPUT

Choose your Favourite Programming Languages:

☑ C++
☐ Java
☐ Kotlin
☐ C
☐ Assembly
☐ VB.NET
☐ Fortran

[OK]

You Choose :

C++

Develop a page that displays two text boxes and a button web control. The textboxes are used to capture number of rows and number of columns from user. (a) On clicking button, generate a table with r rows and c columns. In each cell display row,col values. (b) Optionally add features of border and image in each cell. Following figure shows a table with 4 rows and 4 columns.

Aspx code

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="prob_2.aspx.vb"
Inherits="lab04_prob_2" %>

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

 <form id="form1" runat="server">
 <div>
 <br /><br />
 <label>Rows : </label>
 <asp:TextBox id="textBoxRows" runat="server"></asp:TextBox>&nbsp &nbsp
 <label> Columns : </label>
 <asp:TextBox id="textBoxColumns" runat="server"></asp:TextBox>
 <br /><br />

 <asp:CheckBox runat="server" id="checkBoxBorder" Text="Put Border Around
Cells."></asp:CheckBox><br /><br />
 <asp:Button runat="server" id="btnCreate" Text="Create"></asp:Button><br /><br
/>

 </div>
 <div>
 <asp:Table ID="table" runat="server">

 </asp:Table>

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

VB.NET

```vbnet
Imports System.Drawing
Partial Class lab04_prob_2
    Inherits System.Web.UI.Page
    Private Sub _Default_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Me.IsPostBack = False Then
        End If
    End Sub
    Protected Sub createTable() Handles btnCreate.Click
        Dim row, col As Decimal
        row = CType(textBoxRows.Text, Decimal)
        col = CType(textBoxColumns.Text, Decimal)
        For i = 0 To row - 1
            Dim tableRow As New TableRow
            For j = 0 To col - 1
                Dim tableCell As New TableCell
                Dim textLabel As New Label With {
                .Text = "Example Cell (" & (i + 1).ToString() & "," & (j + 1).ToString()
&
                ")"
                }
                If checkBoxBorder.Checked Then
```

```vbnet
                tableCell.Style.Add("border", "5px solid gray")
            End If
            tableCell.Style.Add("max-width", "80px")
            tableCell.Controls.Add(textLabel)
            tableRow.Controls.Add(tableCell)
        Next
        table.Controls.Add(tableRow)
    Next
    End Sub
End Class
```

Output

Rows : `4`   Columns : `4`

☑ Put Border Around Cells.

[Create]

Example Cell (1,1)	Example Cell (1,2)	Example Cell (1,3)	Example Cell (1,4)
Example Cell (2,1)	Example Cell (2,2)	Example Cell (2,3)	Example Cell (2,4)
Example Cell (3,1)	Example Cell (3,2)	Example Cell (3,3)	Example Cell (3,4)
Example Cell (4,1)	Example Cell (4,2)	Example Cell (4,3)	Example Cell (4,4)