Yard has to be true and in addition, either of the other two criteria must be true.
The solution developed in class, if you were not there, please try it yourself and then check the solution.
ANDs are resolved before ORs so the two things around the ANDs are grouped together and then the OR asks for one group or the other.
Private Sub btnFirst_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnFirst.Click
    'Write the code to check code for A and field1 > 5000 OK
    'check the code for D and field2 > 2500
    'Respond with OK or Problem
    'Do it once with separate if statements and then in btnSecond
    'Do it using one if statement
    If txtCode.Text = "A" Then
        If txtField1.Text > 5000 Then
            txtResult.Text = "OK"
        Else
            txtResult.Text = "Problem"
        End If
    Else
        If txtCode.Text = "D" Then
            If txtField2.Text > 2500 Then
                txtResult.Text = "OK"
            Else
                txtResult.Text = "Problem"
            End If
        End If
    End If
End Sub

Private Sub btnSecond_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSecond.Click
        txtResult.Text = "OK"
    Else
        txtResult.Text = "Problem"
    End If
End Sub

Private Sub btnThird_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnThird.Click
    'Write the code to check for code = A and either field1 greater
    'or field2 greater
End Sub
Private Sub btnThird_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnThird.Click
    'Write the code to check for code = A and either field1 greater than 5 or field2 greater than 12
    'Write it with separate if statements and then in btnFourth
    'Do it one if statement
    'Write appropriate massage
    If txtCode.Text = "A" Then
        If txtField1.Text > 5 Then
            txtResult.Text = "OK"
        Else
            If txtField2.Text > 12 Then
                txtResult.Text = "OK"
            Else
                txtResult.Text = "Problem"
            End If
        End If
    Else
        txtResult.Text = "Problem"
    End If
End Sub
private Sub btnFourth_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnFourth.Click
End Sub
Private Sub btnThird_Click(MyVal As System.Object, ByVal MyVal2 As System.Object)
    Dim strCode As String
    Dim strResult As String
    Dim i As Integer
    Dim j As Integer
    Dim k As Integer

    strCode = strCode & "    strResult = "Problem"
    Else
    strResult = "OK"
    End If

    If txtField1.Text > 5 Then
        StrResult = "OK"
    Else
        If txtField2.Text > 10 Then
            StrResult = "OK"
        Else
            If txtField3.Text > 12 Then
                StrResult = "OK"
            Else
                StrResult = "Problem"
            End If
        End If
    End If

    If Field1.Text = 1 Then
        Field2.Text = 2
    Else
        Field3.Text = 3
    End If

    MsgBox strResult
End Sub
```vbnet
Private Sub btnThird_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnThird.Click
    If txtCode.Text = "A" And txtField1.Text > 5000 Or txtCode.Text = "OK"
        txtResult.Text = "OK"
    Else
        txtResult.Text = "Problem"
    End If
End Sub

Private Sub btnSecond_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSecond.Click
    ' Write code to handle second button click
End Sub

Private Sub btnFirst_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnFirst.Click
    ' Write code to handle first button click
End Sub
```

The code snippet above is part of a Visual Basic.NET program that handles user input from three text fields and displays a result based on certain conditions. The conditions involve checking if the value in the first text field is greater than 5000, or if the value in the second text field is less than 5, or if the value in the third text field is greater than 12. Depending on these conditions, the program assigns a result to `txtResult`. The program also includes event handlers for buttons labeled 'Second' and 'First'.
If you do not use parenthesis it would work this way.
Write it with separate IF statements and then in btnFourth.

' do it one IF statement
' write appropriate message
If txtCode.Text = "A" Then
    If txtField1.Text > 5 Then
        txtResult.Text = "OK"
    Else
        If txtField2.Text > 8 Then
            txtResult.Text = "OK"
        Else
            If txtField3.Text > 12 Then
                txtResult.Text = "OK"
            Else
                txtResult.Text = "Problem"
            End If
        End If
    Else
        If txtField4.Text > 15 Then
            txtResult.Text = "Problem"
        Else
            txtResult.Text = "Problem"
        End If
    End If
End If
Else
    txtResult.Text = "Problem"
End If
End Sub

Private Sub btnFourth_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnFourth.Click
    If txtCode.Text = "A" And (txtField1.Text > 5 Or txtField2.Text > 8 Or txtField3.Text > 12) Then
        txtResult.Text = "OK"
    Else
        txtResult.Text = "Problem"
    End If
End Sub

Private Sub btnFifth_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnFifth.Click
    ' write the code in text for code = A and either field > 15 or