

inclassIF - Microsoft Visual Studio (Administrator) Quick Launch (Ctrl+Q)

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Form1.vb [Design] btnCheckFirst Click

```

Public Class Form1
    Private Sub btnCheckFirst_Click(sender As Object, e As EventArgs) Handles btnCheckFirst.Click
        If txtCode.Text = "A" And (CInt(txtNumber1.Text) > 10 Or CInt(txtNumber2.Text) > 100) Then
            txtAns.Text = "YES"
        Else
            txtAns.Text = "NO"
        End If
    End Sub
End Class

```

There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.

This is the if statement that went with the program we started on Tuesday.

either

A has to be true and in addition either number1 has to be greater than 10 or number2 has to be greater than 100.

100 %

Ln 4 Col 9 Ch 9 INS

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Form1.vb* Form1.vb [Design]*

Now I have added a button and I am going to write the same problem where A has to be true and either number1 has to be greater than 10 or number2 has to be greater than 100.

Properties

btnChkAgain System.Windows.Forms.Button

MaximumSize	0, 0
MinimumSize	0, 0
Modifiers	Friend
Padding	0, 0, 0, 0
RightToLeft	No
Size	76, 21
TabIndex	9
TabStop	True
Tag	
Text	CheckAgain
TextAlign	MiddleCenter
TextImageRelation	Overlay
UseCompatibleTextRendering	False
UseMnemonic	True
UseVisualStyleBackColor	True
UseWaitCursor	False

Text
The text associated with the control.

Public Class Form1

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Private Sub btnCheckFirst_Click(sender As Object, e As EventArgs) Handles btnCheckFirst.Click
    If txtCode.Text = "A" And (CInt(txtNumber1.Text) > 10 Or CInt(txtNumber2.Text) > 10) Then
        txtAns.Text = "YES"
    Else
        txtAns.Text = "NO"
    End If
End Sub

Private Sub btnChkAgain_Click(sender As Object, e As EventArgs) Handles btnChkAgain.Click
    If txtCode.Text = "A" Then
        If CInt(txtNumber1.Text) > 10 Then
            txtAns.Text = "YES"
        Else
            If CInt(txtNumber2.Text) > 100 Then
                txtAns.Text = "Yes"
            Else
                txtAns.Text = "No"
            End If
        End If
    End If
End Sub
End Class
```

Now I need to tell what to do if txtCode.text is not equal to A. In that case I want to have txtAns.text = "No". To do that I will write else and then write txtAns.text = "No".

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FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Debug

Form1.vb* Form1.vb [Design]*

btnChkAgain Click

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End Sub

Private Sub btnChkAgain_Click(sender As Object, e As EventArgs) Handles btnChkAgain.Click
    If txtCode.Text = "A" Then
        If CInt(txtNumber1.Text) > 10 Then
            txtAns.Text = "YES"
        Else
            If CInt(txtNumber2.Text) > 100 Then
                txtAns.Text = "Yes"
            Else
                txtAns.Text = "No"
            End If
        End If
    Else
        txtAns.Text = "No"
    End If
End Sub
End Class
```

There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.

Solution Explorer: Solution 'inclassIF' (1 project) inclassIF My Project App.config Form1.vb

100 %

Ready Ln 23 Col 31 Ch 31 INS

Microsoft Visual Studio (Administrator) | Quick Launch (Ctrl+Q)

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Form1.vb* [Design]*

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            If CInt(txtNumber1.Text) > 10 Then
                txtAns.Text = "YES"
            Else
                If CInt(txtNumber2.Text) > 100 Then
                    txtAns.Text = "Yes"
                Else
                    txtAns.Text = "No"
                End If
            End If
        Else
            txtAns.Text = "No"
        End If
    End Sub
End Class
```

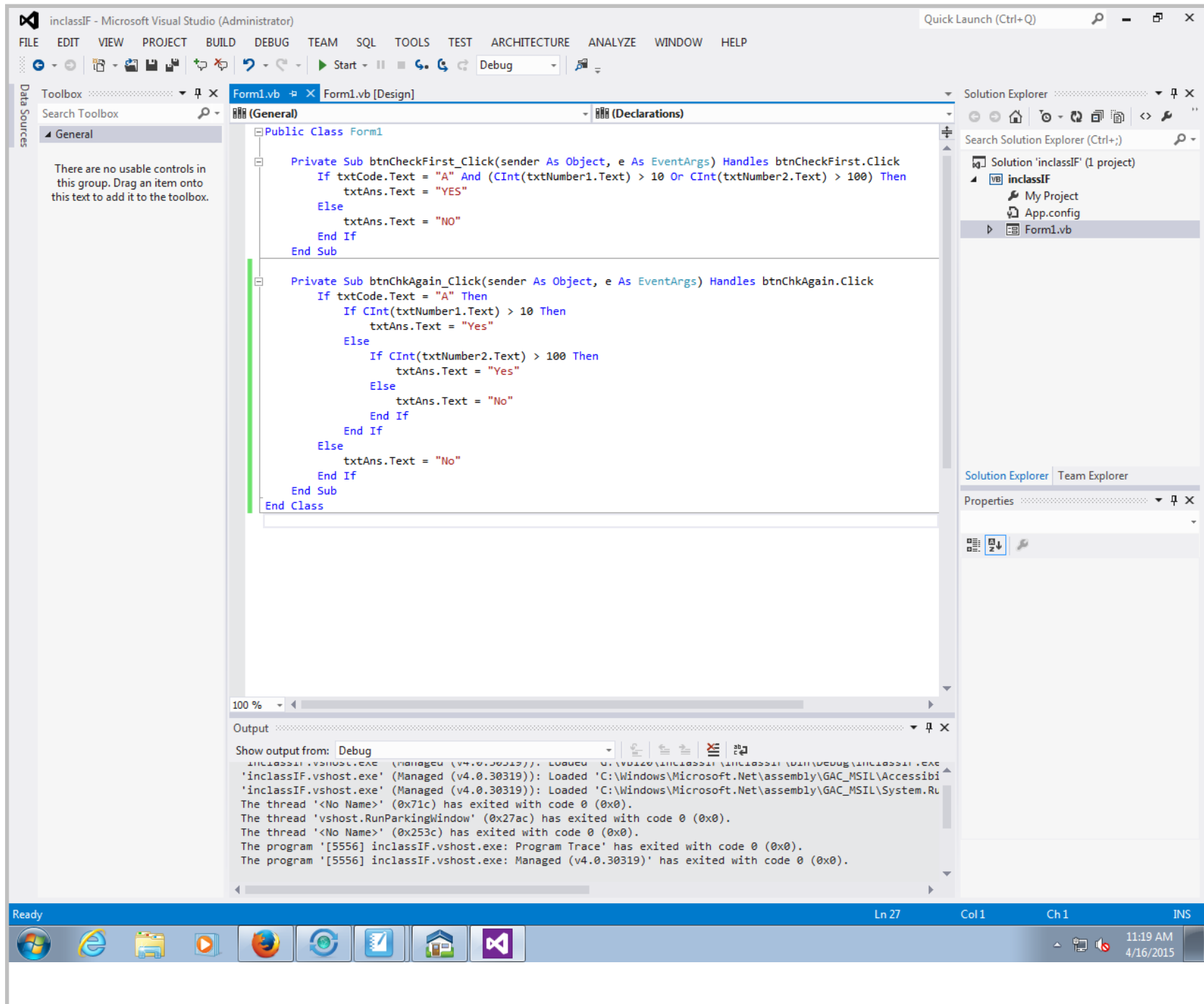
100 % | Ln 23 | Col 31 | Ch 31 | INS

The screenshot shows the Microsoft Visual Studio IDE with the following components:

- Code Editor:** Contains the following VB.NET code:

```
Public Class Form1
    Private Sub btnCheckFirst_Click(sender As Object, e As EventArgs) Handles btnCheckFirst.Click
        If txtCode.Text = "A" And (CInt(txtNumber1.Text) > 10 Or CInt(txtNumber2.Text) > 100) Then
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    End Sub

    Private Sub btnChkAgain_Click(sender As Object, e As EventArgs) Handles btnChkAgain.Click
        If txtCode.Text = "A" Then
            If CInt(txtNumber1.Text) > 10 Then
                txtAns.Text = "Yes"
            Else
                If CInt(txtNumber2.Text) > 100 Then
                    txtAns.Text = "Yes"
                Else
                    txtAns.Text = "No"
                End If
            End If
        Else
            txtAns.Text = "No"
        End If
    End Sub
End Class
```
- Form1 (Design):** A window titled "Form1" with three text boxes: "Code" (containing "B"), "Number" (containing "7"), and "Number" (containing "112"). It has two buttons: "Check First" and "Check Again". Below the buttons is an "Answer" text box containing "No".
- Annotation:** A pink dashed arrow points from the text "Since the code is B it will take the else on the question is txtCode.text = 'A' and so it will execute txtAns.text = 'No'" to the "Answer" text box in the application window.
- IntelliTrace:** A panel on the right with the heading "Streaming Video: Collecting and analyzing data in product..." and a "Break all" button.
- Immediate Window:** Empty.
- Taskbar:** Shows the Windows taskbar with the Start button, several application icons, and the system tray showing the time as 11:17 AM on 4/16/2015.



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FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Start - Debug

Form1.vb [Design] btnChkAgain Click

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    Private Sub btnCheckFirst_Click(sender As Object, e As EventArgs) Handles btnCheckFirst.Click
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        If txtCode.Text = "A" Then
            If CInt(txtNumber1.Text) > 10 Then
                txtAns.Text = "Yes"
            Else
                If CInt(txtNumber2.Text) > 100 Then
                    txtAns.Text = "Yes"
                Else
                    txtAns.Text = "No"
                End If
            End If
        Else
            txtAns.Text = "No"
        End If
    End Sub
End Class
```

100 %

Ready Ln 23 Col 31 Ch 31 INS

11:37 AM 4/16/2015

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'inclassIF' (1 project)

- inclassIF
 - My Project
 - App.config
 - Form1.vb

Properties

Untitled * - SMART Notebook

File Edit View Insert Format Draw Help

The tests are: if code = A then number1 should be added to number2 and the answer should be multiplied by 5. if code = B then multiply number1 by 4 and divide number2 by 2 and add the results.

Dim wkAns as integer
double

if txtCode.text = "A" then

WkAns = $(\text{Int}(\text{txtNumber1, text}) + \text{---}) * 5$

calculate wkAns and put it in result

~~WkAns = (Int(txtNumber1, text) + txtNumber2) * 5~~

~~WkAns = (Int(txtNumber1, text) + txtNumber2) * 5~~

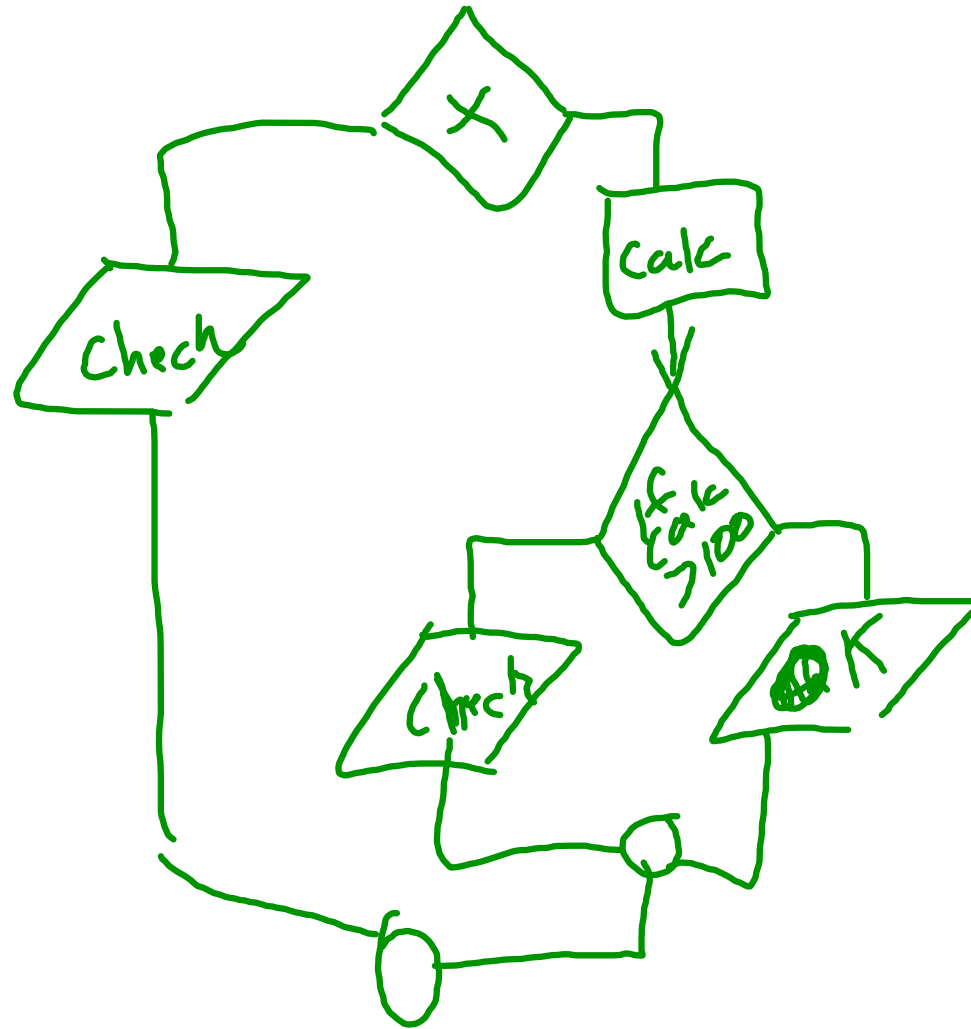
Woops!

Extend Page

Auto-hide

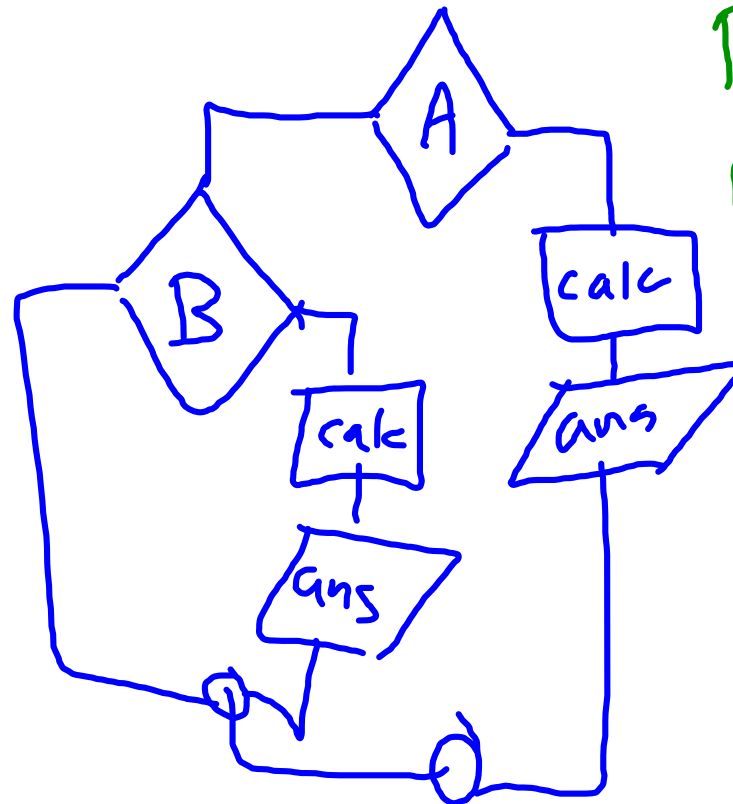
11:42 AM
4/16/2015

Problem #1: Using the in class if statement program, add another button that will test for cod equal to X and the total of number1 and number2 greater than 100. Write the word OK if the criteria is met and the word CHECK if the criteria is not met.



Problem #2: Using the in class if statement program, add another button that will do the following calculations depending on the code. The result of the calculation should be written in the answer field.

The tests are: if code = A then number1 should be added to number2 and the answer should be multiplied by 5. if code = B then multiply number1 by 4 and divide number2 by 2 and add the results.



Dim wkAns as double
wkAns = _____