Public Class fmBasicLoops

Private Sub btnDoWhileLoop_Click(ByVal sender As System

Dim wkct As Integer = 6
Dim wkans As Double = CDbl(txtStartamt.Text)
Dim wkmsg As String

Do while wkct <= txtNumTimes.Text
    wkans = wkans - CDbl(txtStartamt.Text)
    wkmsg = "Amount Now " + CStr(wkans)
    lstTrace.Items.Add(wkmsg)
    wkct = wkct + 1
Loop
txtAmountLeft.Text = wkans
End Sub

Private Sub btnDoWhilePost_Click(ByVal sender As System

Dim wkct As Integer = 1
Dim wkans As Double = CDbl(txtStartamt.Text)
Dim wkmsg As String

Do
    wkans = wkans - CDbl(txtStartamt.Text)
    wkmsg = "Amount Now " + CStr(wkans)
    lstTrace.Items.Add(wkmsg)
    wkct = wkct + 2
Loop While wkct <= txtNumTimes.Text
txtAmountLeft.Text = wkans
End Sub

Private Sub btnDoUntilLoop_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDoU.

Dim wkct As Integer = 6
Dim wkans As Double = CDbl(txtStartamt.Text)
Dim wkmsg As String

Do Until wkct <= txtNumTimes.Text
    wkans = wkans - CDbl(txtStartamt.Text)
    wkmsg = "Amount Now " + CStr(wkans)
    lstTrace.Items.Add(wkmsg)
    wkct = wkct + 1
Loop
txtAmountLeft.Text = wkans
End Sub

Do While Loop (Prem)
Do While Loop (Post)
Do Until Loop (Prem)
Do Until Loop (Post)
For Loop
**Public Class fmBasicloops**

```vbnet
Private Sub btnDoWhileLoop_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDoWhileLoop.Click
    Dim wkl As String
    Dim wkl As Double = DoWhile wkl.Text = txtNumTimes.Text
    wkl = wkl + DBL(txtStartAmnt.Text)
    lstTrace.Items.Add(wkl)
End Sub
```

```vbnet
Private Sub btnDoWhileLoop(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDoWhileLoop.Click
    Dim wkl As String
    Dim wkl As Double = DoWhile wkl.Text = txtNumTimes.Text
    wkl = wkl + DBL(txtStartAmnt.Text)
    lstTrace.Items.Add(wkl)
End Sub
```

```vbnet
Private Sub btnDoUntilLoop_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDoUntilLoop.Click
    Dim wkl As String
    Dim wkl As Double = DoUntil wkl.Text = txtNumTimes.Text
    wkl = wkl + DBL(txtStartAmnt.Text)
    lstTrace.Items.Add(wkl)
End Sub
```

- **Do While Loop**
- **Do Until Loop**
- **For Loop**

**Basic Loops**

- **Number Times:** 0
- **Start Amount:** 100
- **Amount to Subtract:** 25
- **Amount Left:** 25

**Buttons:**
- **Do While Loop (Pre)**
- **Do While Loop (Post)**
- **Do Until Loop (Pre)**
- **Do Until Loop (Post)**
- **For Loop**
```vbnet
Dim wKCT As Integer = 1
Dim wkKms As Double = CDBl(txtStartAmt.Text)
Dim wKMsg As String
  Do
    wkKms = wkKms + CDBl(txtAmountToAdd.Text)
    wKMsg = "Amount Now: " + CStr(wkKms)
    lstTrace.Items.Add(wKMsg)
    wkKCT = wkKCT + 2
  Loop Until wkKCT > txtNumTimes.Text
txtStartLeft.Text = wkKms

Private Sub btnForLoop_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
  Dim wkKms As Double = CDBl(txtStartAmt.Text)
  Dim wKMsg As String
  For wkKCT = 1 To CInt(txtNumTimes.Text) Step 2
    wkKms = wkKms + CDBl(txtAmountToAdd.Text)
    wKMsg = "Amount Now: " + CStr(wkKms)
    lstTrace.Items.Add(wKMsg)
  Next
End Sub
```
```vbnet
Dim i As Integer
Dim s As String
Dim a As Integer
Dim b As Integer
Dim c As Integer
Dim d As Integer
Dim e As Integer
Dim f As Integer
Dim g As Integer
Dim h As Integer
Dim i As Integer
Dim j As Integer
Dim k As Integer
Dim l As Integer
Dim m As Integer
Dim n As Integer
Dim o As Integer
Dim p As Integer
Dim q As Integer
Dim r As Integer
Dim s As Integer
Dim t As Integer
Dim u As Integer
Dim v As Integer
Dim w As Integer
Dim x As Integer
Dim y As Integer
Dim z As Integer
Dim A As Integer
Dim B As Integer
Dim C As Integer
Dim D As Integer
Dim E As Integer
Dim F As Integer
Dim G As Integer
Dim H As Integer
Dim I As Integer
Dim J As Integer
Dim K As Integer
Dim L As Integer
Dim M As Integer
Dim N As Integer
Dim O As Integer
Dim P As Integer
Dim Q As Integer
Dim R As Integer
Dim S As Integer
Dim T As Integer
Dim U As Integer
Dim V As Integer
Dim W As Integer
Dim X As Integer
Dim Y As Integer
Dim Z As Integer
Dim aa As Integer
Dim bb As Integer
Dim cc As Integer
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Dim Uu As Integer
Dim Vv As Integer
Dim Ww As Integer
Dim Xx As Integer
Dim Yy As Integer
Dim Zz As Integer
```
```vba
Dim wCt As Integer = 1
Dim wkAns As Double = CDbl(txtStartAmt.Text)
Dim wkMsg As String

Do
    wkAns = wkAns + CDbl(txtAmount.Text)
    wkMsg = "Amount: " + CStr(wkAns) + vbCrLf
    lstTrace.Items.Add(wkMsg)
    wCt = wCt + 1
Loop Until wCt > txtNumTimes.Text

Private Sub btnForLoop_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    Dim wkAns As Double = CDbl(txtStartAmt.Text)
    Dim wkMsg As String

    For wCt = CInt(txtNumTimes.Text) To 1 Step -1
        wkAns = wkAns + CDbl(txtAmount.Text)
        wkMsg = "Amount: " + CStr(wkAns) + vbCrLf
        lstTrace.Items.Add(wkMsg)
    Next

End Sub
```
Public Class frmDiffBoxes

Private Sub btnLanguage_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    If lstLanguages.Items.Contains(txtLanguage.Text) Then
        MessageBox.Show("In the list")
    Else
        MessageBox.Show("Not in the list")
    End If
End Sub

Private Sub btnCount_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    Dim wct As Integer
    For ct = 0 To clsCourses.Items.Count - 1
        If clsCourses.GetItemChecked(ct) = True Then
            wct = wct + 1
            lstTaken.Items.Add(clsCourses.Items(ct))
        End If
    Next
    txtCount.Text = wct
End Sub

End Class

Not in the list

Click to Check:

Programming Logic
Operating Systems
Internet Developer
Linux/Unix
Visual Basic
Oracle
PHP and MySQL

Click for count
This is an example under VB.NET
Public Class TFormSteps
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code.

    Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        End
    End Sub

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        Dim wkFirstNum As Integer
        Dim wkSecondNum As Integer
        Dim wkResult As Integer
        Dim wkToShow As String
        Dim wkStart As Integer = 2
        Dim wkEnd As Integer = 10
        Dim wkIncrement As Integer = 2
        For wkFirstNum = wkStart To wkEnd Step wkIncrement
            For wkSecondNum = wkStart To wkEnd Step wkIncrement
                wkResult = wkFirstNum + wkSecondNum
                wkToShow = wkFirstNum & " + " & wkSecondNum & " = " & wkResult
                smlMathFact1.Items.Add(wkToShow)
            Next
        Next
        End Sub
    End Class