Public Class frmGrade
    Inherits System.Windows.Forms.Form

Private Sub btnGrade_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnGrade.Click
    Dim vGrade As Decimal
    Dim vLetterGrade As String
    vGrade = (Val(txtGrade1.Text) + Val(txtGrade2.Text) + Val(txtGrade3.Text) + Val(txtGrade4.Text)) / 4
    MsgBox("The grade is: " & CStr(vGrade))
    If vGrade >= 90 Then
        vLetterGrade = "A"
    Else
        If vGrade >= 80 Then
            vLetterGrade = "B"
        Else
            If vGrade >= 70 Then
                vLetterGrade = "C"
            Else
                If vGrade >= 60 Then
                    vLetterGrade = "D"
                Else
                    vLetterGrade = "F"
                End If
            End If
        End If
    End If
    vLetterGrade = "F"
End Sub
Private Sub btnValidate.Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnValidate.Click
  Dim okAns As Integer
  If txtName.TextLength = 0 Then
    MessageBox.Show("Please enter name", "Name Missing", MessageBoxButtons.OK, MessageBoxIcon.Asterisk)
  End If
  If Val(txtGrade1.Text) < 1 Or Val(txtGrade1.Text) > 100 Then
    MessageBox.Show("First grade not numeric or outside range", "Grade", MessageBoxIcon.Asterisk)
  End If
  If Val(txtGrade2.Text) < 1 Or Val(txtGrade2.Text) > 100 Then
    MessageBox.Show("Second grade not numeric or outside range", "Grade", MessageBoxIcon.Asterisk)
    okAns = DialogResult.OK
  End If
  If Val(txtGrade3.Text) > 0 And Val(txtGrade3.Text) < 101 Then
    MessageBox.Show("Third grade OK")
  Else
    MessageBox.Show("Third grade not numeric or outside range")
  End If
  If IsNumeric(txtGrade4.Text) Then
    If Val(txtGrade4.Text) > 0 And Val(txtGrade4.Text) < 101 Then
      MessageBox.Show("Fourth grade OK")
    Else
      MessageBox.Show("Fourth grade not numeric")
    End If
  End If
End Sub
Private Sub btnValidate_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnValidate.Click
    Dim t As Integer
    t = TextLength = 0
    tGrade1.Text < 1 Or Val(tGrade1.Text) > 100 Then
        e.Box.Show("First grade not numeric or outside range", "Grade", MessageBoxButtons.OK, MessageBoxIcon.Information)
    tGrade2.Text < 1 Or Val(tGrade2.Text) > 100 Then
        MessageBox.Show("Second grade not numeric or outside range", "Grade", MessageBoxButtons.OKCancel)
    tGrade3.Text > 0 And Val(tGrade3.Text) < 101 Then
        MessageBox.Show("Third grade not numeric or outside range")
    tGrade4.Text < 1 Or Val(tGrade4.Text) > 100 Then
        MessageBox.Show("Fourth grade not numeric or outside range")
    MessageBox.Show("You cancelled")
End Sub
Private Sub btnValidate_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click

    Dim okname As Integer
    Dim grade As Integer
    Dim name As String
    Dim txtName As String
    Dim txtGrade1 As String
    Dim txtGrade2 As String
    Dim txtGrade3 As String
    Dim txtGrade4 As String

    If txtName.Length = 0 Then
        MessageBox.Show("Please enter name", "Name Missing", MessageBoxButtons.OK, MessageBoxIcon.Warning)
    Else
        name = txtName
    End If

    If Val(txtGrade1.Text) < 1 Or Val(txtGrade1.Text) > 100 Then
        MessageBox.Show("First grade not numeric or outside range", "Grade", MessageBoxButtons.OK, MessageBoxIcon.Error)
    Else
    End If

    If Val(txtGrade2.Text) < 1 Or Val(txtGrade2.Text) > 100 Then
        grade = Val(txtGrade2.Text)
    Else
    End If

    If Val(txtGrade3.Text) > 0 And Val(txtGrade3.Text) < 101 Then
        MessageBox.Show("Second grade not numeric or outside range", "Grade", MessageBoxIcon.Error)
    Else
    End If

    If Val(txtGrade4.Text) > 0 And Val(txtGrade4.Text) < 101 Then
        MessageBox.Show("Third grade not numeric or outside range")
    Else
    End If

End Sub
Length = 0 Then
Show("Please enter name", "Name Missing", MessageBoxButtons.OK, MessageBoxIcon.Information)

1. Text < 1 Or Val(txtGrade1.Text) > 100 Then
   Show("First grade not numeric or outside range", "Grade", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

2. Text < 1 Or Val(txtGrade2.Text) > 100 Then
   MessageBox("Second grade not numeric or outside range", "Grade", MessageBoxButtons.OKCancel)
   DialogResult.OK Then
   MessageBox("You entered OK")

   MessageBox("You cancelled")

3. Text > 0 And Val(txtGrade3.Text) < 101 Then
   Show("Third OK")
   Show("Third grade not numeric or outside range")
   tGrade3.Text

   MessageBox("Fourth OK")
   MessageBox("Fourth grade outside range")

   Show("Fourth grade not numeric")
If txtName.TextLength = 0 Then
    MessageBox.Show("Please enter name", "Name Missing", MessageBoxButtons.OK)
End If
If Val(txtGrade1.Text) < 1 Or Val(txtGrade1.Text) > 100 Then
    MessageBox.Show("First grade not numeric or outside range", "0")
End If
If Val(txtGrade2.Text) < 1 Or Val(txtGrade2.Text) > 100 Then
    MsgBox = MessageBox.Show("Second grade not numeric or outside range", "0")
    If MsgBox = DialogResult.OK Then
        MessageBox.Show("You entered OK")
    Else
        MessageBox.Show("You cancelled")
    End If
End If
If Val(txtGrade3.Text) > 0 And Val(txtGrade3.Text) > 100 Then
    MessageBox.Show("Third grade not numeric or outside range")
End If
If IsNumeric(txtGrade1.Text) Then
    If Val(txtGrade4.Text) < 1 And Val(txtGrade4.Text) < 100 Then
        MessageBox.Show("Fourth grade not numeric")
    Else
        MessageBox.Show("Fourth grade outside range")
    End If
Else
    MessageBox.Show("Fourth grade not numeric")
End If
If txtName.TextLength = 0 Then
    MessageBox.Show("Please enter name", "Name Missing", MessageBoxButtons.OK, MessageBoxIcon.Error)
End If

If Val(txtGrade1.Text) < 1 Or Val(txtGrade1.Text) > 100 Then
    MessageBox.Show("First grade not numeric or outside range", "Grade" MessageBoxButtons.OK, MessageBoxIcon.Error)
End If

If Val(txtGrade2.Text) < 1 Or Val(txtGrade2.Text) > 100 Then
    MessageBox.Show("Second grade not numeric or outside range", "Grade", MessageBoxButtons.OK)
End If

Else
    MessageBox.Show("You cancelled")
End If

End If

If Val(txtGrade3.Text) > 0 And Val(txtGrade3.Text) < 101 Then
    MessageBox.Show("Third OK")
Else
    MessageBox.Show("Third grade not numeric or outside range")
End If

If NotInteger(txtGrade4.Text) Then
    If Val(txtGrade4.Text) > 0 And Val(txtGrade4.Text) < 101 Then
        MessageBox.Show("Fourth OK")
    Else
        MessageBox.Show("Fourth grade outside range")
    End If
Else
    MessageBox.Show("Fourth grade not numeric")
End If

End Sub
If txtName.TextLength = 0 Then
  MessageBox.Show("Please enter name", "Name Missing", MessageBoxButtons.OK, MessageBoxIcon.Information)
End If

If Val(txtGrade1.Text) < 1 Or Val(txtGrade1.Text) > 100 Then
  MessageBox.Show("First grade not numeric or outside range", "Grade", MessageBoxButtons.OK, MessageBoxIcon.Error)
End If

If Val(txtGrade2.Text) < 1 Or Val(txtGrade2.Text) > 100 Then
  Dim MsgBoxResult As DialogResult = MessageBox.Show("Second grade not numeric or outside range", "Grade", MessageBoxButtons.OKCancel, MessageBoxIcon.Exclamation)
  If MsgBoxResult = DialogResult.OK Then
    MessageBox.Show("You entered OK")
  Else
    MessageBox.Show("You cancelled")
  End If
End If

If Val(txtGrade3.Text) > 0 And Val(txtGrade3.Text) < 101 Then
  MessageBox.Show("Third OK")
Else
  MessageBox.Show("Third grade not numeric or outside range")
End If

If IsNumeric(txtGrade4.Text) Then
  If Val(txtGrade4.Text) > 0 And Val(txtGrade4.Text) < 101 Then
    MessageBox.Show("Fourth OK")
  Else
    MessageBox.Show("Fourth grade outside range")
  End If
Else
  MessageBox.Show("Fourth grade not numeric")
End If

End Sub

Class
Private Sub btnGrades_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnGrades.Click

Dim vGrade As Decimal
Dim vLetterGrade As String
vGrade = (Val(txtGrade2.Text) + Val(txtGrade3.Text) + Val(txtGrade4.Text) + Val(txtGrade5.Text)) / 4
MsgBox("The grade is " & ControlChars.CrLf & CStr(vGrade))
Select Case vGrade
Case Is >= 90
  vLetterGrade = "A"
Case Is >= 80
  vLetterGrade = "B"
Case Is >= 70
  vLetterGrade = "C"
Case Is >= 60
  vLetterGrade = "D"
Case Else
  vLetterGrade = "F"
End Select
If radCIS17.Checked = True Then
  txtGrade1.Text = "The grade for Programming: Logic, Design and Implementation is " & vLetterGrade
ElseIf radCIS44.Checked = True Then
  txtGrade1.Text = "The grade for Internet Developer is " & vLetterGrade
ElseIf radCIS50.Checked = True Then
  txtGrade1.Text = "The grade for Oracle and SQL is " & vLetterGrade
ElseIf radCIS55.Checked = True Then
  txtGrade1.Text = "The grade for Visual Basic is " & vLetterGrade
Else
  txtGrade1.Text = "No course checked"
End If

Using case structure
Private Sub btnGrade_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnGrade.Click
    Dim vGrade As Decimal
    Dim vLetterGrade As String
    vGrade = (Val(txtGrade1.Text) + Val(txtGrade2.Text) + Val(txtGrade3.Text) + Val(txtGrade4.Text)) / 4
    MsgBox("The grade is " & ControlChars.CrLf & "&" & Str(vGrade))
    Select Case vGrade
        Case Is >= 90
            vLetterGrade = "A"
        Case Is >= 80
            vLetterGrade = "B"
        Case Is >= 70
            vLetterGrade = "C"
        Case Is >= 60
            vLetterGrade = "D"
        Case Else
            vLetterGrade = "F"
    End Select
    If radCIS17.Checked = True Then
        txtGrade1.Text = "The grade for Programming: Logic, Design and Implementation &" & vLetterGrade
    ElseIf radCIS44.Checked = True Then
        txtGrade1.Text = "The grade for Internet Developer is " & vLetterGrade
    ElseIf radCIS550.Checked = True Then
        txtGrade1.Text = "The grade for Oracle and SQL is " & vLetterGrade
    ElseIf radCIS556.Checked = True Then
        txtGrade1.Text = "The grade for Visual Basic is " & vLetterGrade
    Else
        txtGrade1.Text = "No course checked"
    End If
End Sub
Private Sub btnGrade_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnGrade.Click
    Dim wkGrade As Decimal
    Dim wkLetterGrade As String
    wkGrade = (Val(txtGrade1.Text) + Val(txtGrade2.Text) + Val(txtGrade3.Text) + Val(txtGrade4.Text)) / 4
    MsgBox("The grade is " & ControlChars.Cr & ControlChars.Lf & CStr(wkGrade))
    Select Case wkGrade
        Case Is > 90
            wkLetterGrade = "A"
        Case Is > 80
            wkLetterGrade = "B"
        Case Is > 70
            wkLetterGrade = "C"
        Case Is > 60
            wkLetterGrade = "D"
        Case Else
            wkLetterGrade = "F"
    End Select
    If radCIS17.Checked = True Then
        txtGradeRpt.Text = "The grade for Programming: Logic, Design and Implementation is " & wkLetterGrade
    ElseIf radCIS44.Checked = True Then
        txtGradeRpt.Text = "The grade for Internet Developer is " & wkLetterGrade
    ElseIf radCIS50.Checked = True Then
        txtGradeRpt.Text = "The grade for Oracle and SQL is " & wkLetterGrade
    ElseIf radCIS56.Checked = True Then
        txtGradeRpt.Text = "The grade for Visual Basic is " & wkLetterGrade
    End If
```vba
Private Sub btnGrade_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnGrade.Click
    Dim wkGrade As Decimal
    Dim wkLetterGrade As String

    wkGrade = (Val(txtGrade1.Text) + Val(txtGrade2.Text) + Val(txtGrade3.Text) + Val(txtGrade4.Text)) / 4

    MsgBox("The grade is " & ControlChars.CrLf & CStr(wkGrade))
    Select Case wkGrade
        Case Is > 90
            wkLetterGrade = "A"
        Case Is > 80
            wkLetterGrade = "B"
        Case Is > 70
            wkLetterGrade = "C"
        Case Is > 60
            wkLetterGrade = "D"
        Case Else
            wkLetterGrade = "F"
    End Select

    If radCIS17.Checked = True Then
        txtGradeRpt.Text = "The grade for Programming: Logic, Design and Implementation is " & wkLetterGrade
    ElseIf radCIS44.Checked = True Then
        txtGradeRpt.Text = "The grade for Internet Developer is " & wkLetterGrade
    ElseIf radCIS50.Checked = True Then
        txtGradeRpt.Text = "The grade for Oracle and SQL is " & wkLetterGrade
    ElseIf radCIS56.Checked = True Then
        txtGradeRpt.Text = "The grade for Visual Basic is " & wkLetterGrade
    End If
```

Private Sub btnGrade_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnGrade.Click
    Dim vGrade As Decimal
    Dim vLetterGrade As String
    vGrade = (Val(txtGrade1.Text) + Val(txtGrade2.Text) + Val(txtGrade3.Text) + Val(txtGrade4.Text)) / 4
    MsgBox("The grade is " & ControlChars.CR & ControlChars.LF & "&n" & vLetterGrade)" Select Case vGrade
    Case Is >= 90
        vLetterGrade = "A"
    Case Is >= 80
        vLetterGrade = "B"
    Case Is >= 70
        vLetterGrade = "C"
    Case Is >= 60
        vLetterGrade = "D"
    Case Else
        vLetterGrade = "F"
    End Select
    If radCIS17.Checked = True Then
        txtGradeextField.Text = "The grade for Programming: Logic, Design and Implementation is " & vLetterGrade
    ElseIf radCIS44.Checked = True Then
        txtGradeextField.Text = "The grade for Internet Developer is " & vLetterGrade
    ElseIf radCIS50.Checked = True Then
        txtGradeextField.Text = "The grade for Oracle and SQL is " & vLetterGrade
    ElseIf radCIS56.Checked = True Then
        txtGradeextField.Text = "The grade for Visual Basic is " & vLetterGrade
    Else
        txtGradeextField.Text = "No course checked"
    End If
Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
    radCIS17.Checked = False
    radCIS14.Checked = False
    radCIS10.Checked = False
    radCIS6.Checked = False
    txtGrade.Value = 0
    txtName.Clear
    txtGrade1.Clear
    txtGrade2.Clear
    txtGrade3.Clear
    txtGrade4.Clear
End Sub

Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEnd.Click
End Class
Private Sub btnGrade_Click()
  Dim grade As Integer = Val(txtGrade3.Text) + Val(txtGrade4.Text)
  Dim letterGrade As String

  Select Case grade / 4
    Case Is >= 90
      letterGrade = "A"
    Case Is >= 80
      letterGrade = "B"
    Case Is >= 70
      letterGrade = "C"
    Case Is >= 60
      letterGrade = "D"
    Case Else
      letterGrade = "F"
  End Select

  If radCIS27.Checked Then
    txtGradeRpt.Text = "The grade for Programming: Logic, Design and Implementation is " & letterGrade
  ElseIf radCIS44.Checked Then
    txtGradeRpt.Text = "The grade for Internet Developer is " & letterGrade
  ElseIf radCIS50.Checked Then
    txtGradeRpt.Text = "The grade for Oracle and SQL is " & letterGrade
  ElseIf radCIS56.Checked Then
    txtGradeRpt.Text = "The grade for Visual Basic is " & letterGrade
  Else
    txtGradeRpt.Text = "No course checked"
  End If
End Sub
I wrote a subroutine called write by just keying in sub and the name of the subroutine. Then when I want to execute the subroutine, I say Write()
Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
    txtItemNo.Clear()
    txtItemName.Clear()
    txtOnHand.Clear()
    txtOnOrder.Clear()
End Sub

Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
    WriteLine(1, 99999, ",", 0, 0)
    FileClose(1)
End Sub

Private Sub btnWrite_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
    Write()
End Sub

    Dim w vitenNo As Integer, vitenName As String
    Dim v fHand As Integer, v fOrder As Integer
    vitenNo = CInt(txtItemNo.Text)
    vitenName = txtItemName.Text
    v fHand = CInt(txtOnHand.Text)
    v fOrder = CInt(txtOnOrder.Text)
    WriteLine(1, vitenNo, vitenName, v fHand, v fOrder)
End Sub

Private Sub frmInvenWrite_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
End Sub

End Class
Location of the file that I wrote.
123,"Recorder",34.100
124,"Thumb drive",56.12
125,"Bag",34.34
99999,"",0,0
I copied the file into the bin of the read program prior to trying to read the file.
Sub Read()
    Dim wItemNo As Integer, witemName As String
    Dim wOnHand As Integer, wOnOrder As Integer
    Input(1, wItemNo)
    If wItemNo = 99999 Then
        MsgBox("EOF reached")
        btnRead.Visible = "false"
    Else
        txtItemNo.Text = wItemNo
        Input(1, wOnHand)
        txtOnHand.Text = wOnHand
        Input(1, wOnName)
        txtOnName.Text = wOnName
        Input(1, wOnOrder)
        txtOnOrder.Text = wOnOrder
    End If
End Sub

Private Sub frmInvenRead_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
    FileOpen(1, "inven.txt", OpenMode.Input)
End Sub

Private Sub btnRead_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnRead.Click
    Read()
End Sub
"
Sub Read()
    Dim wkItemNo As Integer, wkItemName As String
    Dim wkOnHand As Integer, wkOrder As Integer
    Input(1, wkItemNo)
    If wkItemNo = 99999 Then
        MsgBox("EOF reached")
        btnRead.Visible = "false"
    Else
        txtItemNo.Text = wkItemNo
        Input(1, wkItemName)
        txtItemName.Text = wkItemName
        Input(1, wkOnHand)
        txtOnHand.Text = wkOnHand
        Input(1, wkOrder)
        txtOrder.Text = wkOrder
    End If
End Sub

Private Sub btnInvenRead_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnInvenRead_Load
    FileOpen(1, "inven.txt", OpenMode.Input)
End Sub

Private Sub btnRead_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnRead.Click
    Read()
End Sub
- End Class
Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
    txtItemNo.Clear()
    txtItemName.Clear()
    txtMsg.Clear()
    txtOnHand.Clear()
    txtOnOrder.Clear()
End Sub

Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
    FileClass(1)
End Sub

Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
    If txtOnHand.Text < 20 Or txtOnOrder.Text < 20 Then
        txtMsg.Text = "Need to Order"
    Else
        txtMsg.Text = "No Order Needed"
    End If
End Sub

Sub Read()
    Dim wItemNo As Integer, wItemName As String
    Dim wOnHand As Integer, wOnOrder As Integer
    Input(1, wItemNo)
    If wItemNo = 99999 Then
        MsgBox("EOF reached")
        btnRead.Visible = "False"
    Else
        wItemName = Input(1, wItemName)
        wOnHand = Input(1, wOnHand)
        wOnOrder = Input(1, wOnOrder)
        If wOnHand < 20 Or wOnOrder < 20 Then
            txtMsg.Text = "Need to Order"
        Else
            txtMsg.Text = "No Order Needed"
        End If
    End If
End Sub
Public Class frmForNext1
  Inherits System.Windows.Forms.Form

  Windows Form Designer generated code

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

  Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProcess.Click
    Dim wkFirstNum As Integer = 1
    Dim wkSecondNum As Integer
    Dim wkResult As Integer
    Dim wkToShow As String
    For wkSecondNum = 1 To 10
      wkResult = wkFirstNum + wkSecondNum
      wkToShow = wkFirstNum & " + " & wkSecondNum & " = " & wkResult
      listMathFacts.Items.Add(wkToShow)
    Next
    'For wkSecondNum = 1 To 10 Step 1
    '  wkResult = wkFirstNum + wkSecondNum
    '  wkToShow = wkFirstNum & " + " & wkSecondNum & " = " & wkResult
    '  listMathFacts.Items.Add(wkToShow)
    'Next wkSecondNum
  End Sub
End Class
Public Class fmNext1
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

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

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProcess.Click
        Dim wkFirstNum As Integer = 1
        Dim wkSecondNum As Integer
        Dim wkResult As Integer
        Dim wkToShow As String

        For wkSecondNum = 1 To 10
            wkResult = wkFirstNum + wkSecondNum
            wkToShow = wkFirstNum & " + " & wkSecondNum & " = " & wkResult
            lstMathFacts.Items.Add(wkToShow)
        Next
    End Sub
End Class
Public Class FormNextTV1
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnEnd.Click
        ' End Sub
    End Sub

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProcess.Click
        Dim okFirstNum As Integer = 1
        Dim okSecondNum As Integer
        Dim okResult As Integer
        Dim okToShow As String
        For okSecondNum = 1 To 10
            okResult = okFirstNum + okSecondNum
            okToShow = okFirstNum & " + " & okSecondNum & " = " & okResult
            listMathFacts.Items.Add(okToShow)
        Next
        ' For okSecondNum = 1 To 10 Step 1
        '  okResult = okFirstNum + okSecondNum
        '  okToShow = okFirstNum & " + " & okSecondNum & " = " & okResult
        '  listMathFacts.Items.Add(okToShow)
        '  Next okSecondNum
    End Sub
End Class

Math Facts

1+1=2
1+2=3
1+3=4
1+4=5
1+5=6
1+6=7
1+7=8
1+8=9
1+9=10
1+10=11

ListBox

Process
End
Public Class frmFacNext1
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

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

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProcess.Click
        Dim wkFirstNum As Integer = 1
        Dim wkSecondNum As Integer
        Dim wkResult As Integer
        Dim wkToShow As String

        For wkSecondNum = 1 To 10 Step 1
            wkResult = wkFirstNum + wkSecondNum
            wkToShow = wkFirstNum & " + " & wkSecondNum & " = " & wkResult
            lstMathFacts.Items.Add(wkToShow)
        Next
        'For wkSecondNum = 1 To 10 Step 1
        '    wkResult = wkFirstNum + wkSecondNum
        '    wkToShow = wkFirstNum & " + " & wkSecondNum & " = " & wkResult
        '    lstMathFacts.Items.Add(wkToShow)
        'Next wkSecondNum
    End Sub
End Class
```vbnet
Public Class Form1
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

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

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProcess.Click
        Dim wkFirstNum As Integer = 1
        Dim wkSecondNum As Integer = 2
        Dim wkResult As Integer
        Dim wkToShow As String

        For wkSecondNum = 2 To 10 Step 1
            wkResult = wkFirstNum + wkSecondNum
            wkToShow = wkFirstNum & ” + ” & wkSecondNum & ” = ” & wkResult
            lstMathFacts.Items.Add(wkToShow)
        Next
    End Sub
End Class
```
Public Class frmFacNext2
  Inherits System.Windows.Forms.Form

  Windows Form Designer generated code

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

  Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
    Dim wkFirstNum As Integer
    Dim wkSecondNum As Integer
    Dim wkResult As Integer
    Dim wkToShow As String

    For wkFirstNum = 1 To 5
      For wkSecondNum = 1 To 5
        wkResult = wkFirstNum + wkSecondNum
        wkToShow = wkFirstNum & "+" & wkSecondNum & "=" & wkResult
        lstMathFacts.Items.Add(wkToShow)
      Next
      Next
      End Sub
End Class
Public Class frmFactSteps
    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 okFirstNum As Integer
        Dim okSecondNum As Integer
        Dim okResult As Integer
        Dim okToShow As String
        Dim okStart As Integer = 2
        Dim okEnd As Integer = 10
        Dim okIncrement As Integer = 2
        For okFirstNum = okStart To okEnd Step okIncrement
            For okSecondNum = okStart To okEnd Step okIncrement
                okResult = okFirstNum + okSecondNum
                okToShow = okFirstNum & " + " & okSecondNum & " = " & okResult
                lstMathFacts.Items.Add(okToShow)
            Next
        Next
    End Sub
End Class
Public Class frmForSteps
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnInd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
        ' Code to handle button click event
    End Sub

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
        Dim ukFirstNum As Integer
        Dim ukSecondNum As Integer
        Dim ukResult As Integer
        Dim ukToShow As String
        Dim ukStart As Integer = 2
        Dim ukEnd As Integer = 10
        Dim ukIncrement As Integer = 2
        For ukFirstNum = ukStart To ukEnd Step ukIncrement
            For ukSecondNum = ukStart To ukEnd Step ukIncrement
                ukResult = ukFirstNum + ukSecondNum
                ukToShow = ukFirstNum & " + " & ukSecondNum & " = " & ukResult
                lstMathFacts.Items.Add(ukToShow)
            Next
        Next
    End Sub

End Class
Public Class frmForSteps
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

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

    Private Sub btnProcess_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnProcess.Click
        Dim wFirstNum As Integer
        Dim wSecondNum As Integer
        Dim wResult As Integer
        Dim wToShow As String
        Dim wStart As Integer = 2
        Dim wEnd As Integer = 10
        Dim wIncrement As Integer = 2
        For wFirstNum = wStart To wEnd Step wIncrement
            For wSecondNum = wStart To wSecondNum Step wIncrement
                wResult = wFirstNum * wSecondNum
                wToShow = wFirstNum & " + " & wSecondNum & " = " & wResult
                lstMathFacts.Items.Add(wToShow)
            Next
        Next
        End Sub
    End Class