Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
    Dim intHrs As Integer
    Dim decPayHr As Decimal
    Dim decPay As Decimal
    intHrs = CInt(txtHrs.Text)
    decPayHr = CDbl(txtPayHr.Text)
    decPay = FuncPay(intHrs, decPayHr)
    lstPay.Items.Add("The pay is: " & decPay)
End Sub

Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
    Return intHrs * decPayHr
End Function
End Class
```vbnet
Public Class FrmProc
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal
        intHrs = CType(txtHrs.Text, Integer)
        decPayHr = CType(txtPayHr.Text, Decimal)
        decPay = FuncPay(intHrs, decPayHr)
        lstPay.Items.Add("The pay is: " & decPay)
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        Return intHrs * decPayHr
    End Function
End Class
```
Public Class FrmProc
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal

        intHrs = CInt(txtHrs.Text, Integer)
        decPayHr = CDec(txtPayHr.Text, Decimal)
        decPay = FuncPay(intHrs, decPayHr)
        lstPay.Items.Add(“The pay is: “ & decPay)
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        Return intHrs * decPayHr
    End Function
End Class
Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
    Dim intHrs As Integer
    Dim decPayHr As Decimal
    Dim decPay As Decimal
    intHrs = CInt(txtHrs.Text, Integer)
    decPayHr = CDec(txtPayHr.Text, Decimal)
    If intHrs > 40 Then
        decPay = FuncOvt(intHrs, decPayHr)
    Else
        decPay = FuncPay(intHrs, decPayHr)
    End If
    lstPay.Items.Add(“The pay is: “ & decPay)
End Sub

Function FuncPay(ByRef intHrs As Integer, ByRef decPayHr As Decimal) As Decimal
    Return intHrs * decPayHr
End Function

Function FuncOvt(ByRef intHrs As Integer, ByRef decPayHr As Decimal) As Decimal
    Dim otPay As Decimal, totPay As Decimal
    otPay = (intHrs - 40) * decPayHr * 1.5
    totPay = decPayHr * 40 + otPay
    Return totPay
End Function
End Class

Using by ref.
using byval
Public Class FrmProc
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal
        intHrs = CType(txtHrs.Text, Integer)
        decPayHr = CType(txtPayHr.Text, Decimal)
        If intHrs > 40 Then
            decPay = FuncOvt(intHrs, decPayHr)
        Else
            decPay = FuncPay(intHrs, decPayHr)
        End If
        lstPay.Items.Add("The pay is: ", decPay)
        lstPay.Items.Add("The pay per hour is: ", decPayHr)
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByRef decPayHr As Decimal) As Decimal
        decPayHr = decPayHr + 10
        Return intHrs * decPayHr
    End Function

    Function FuncOvt(ByVal intHrs As Integer, ByRef decPayHr As Decimal) As Decimal
        Dim ovtpay As Decimal, totPay As Decimal
        ovtpay = (intHrs - 40) * decPayHr * 1.5
        totPay = decPayHr * 40 + ovtpay
        Return totPay
    End Function
End Class
Public Class FrmProc
    Inherits System.Windows.Forms.Form

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim intHours As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal
        intHours = CInt(txtHours.Text, Integer)
        decPayHr = CType(txtPayHr.Text, Decimal)
        If intHours > 40 Then
            decPay = FuncOvt(intHours, decPayHr)
        Else
            decPay = FuncPay(intHours, decPayHr)
        End If
        lstPay.Items.Add("The pay is: " & decPay)
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        Return intHrs * decPayHr
    End Function

    Function FuncOvt(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        Dim outPay As Decimal
        outPay = (intHrs - 40) * decPayHr * 1.5
        Return decPayHr * 40 + outPay
    End Function
End Class
Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
    Dim intHrs As Integer
    Dim decPayhr As Decimal
    Dim decPay As Decimal
    intHrs = CInt(txtHrs.Text, Integer)
    decPayhr = CDec(txtPayhr.Text, Decimal)
    If intHrs > 40 Then
        decPay = FuncOut(intHrs, decPayhr)
    Else
        decPay = FuncPay(intHrs, decPayhr)
    End If
    lstPay.Items.Add("The pay is: " & decPay)
End Sub

Function FuncPay(ByVal intHrs As Integer, ByVal decPayhr As Decimal) As Decimal
    Return intHrs * decPayhr
End Function

Function FuncOut(ByVal intHrs As Integer, ByVal decPayhr As Decimal) As Decimal
    Dim ovtPay As Decimal
    ovtPay = (intHrs - 40) * decPayhr * 1.5
    Return decPayhr * 40 + ovtPay
End Function

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

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal
        intHrs = CInt(txtHrs.Text, Integer)
        decPayHr = CType(txtPayHr.Text, Decimal)
        If intHrs > 40 Then
            decPay = FuncOvt(intHrs, decPayHr)
        Else
            decPay = FuncPay(intHrs, decPayHr)
        End If
        lstPay.Items.Add("The pay is: " & decPay)
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        Return intHrs * decPayHr
    End Function

    Function FuncOvt(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        Dim decPay As Decimal, totPay As Decimal
        cvtPay = (intHrs - 40) * decPayHr * 1.5
        totPay = decPayHr * 40 + cvtPay
    End Function
End Class
The return exits so either of these returns will be executed. See next slide.
Public Class FrmProc
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal
        intHrs = CInt(txtHrs.Text, Integer)
        decPayHr = CType(txtPayHr.Text, Decimal)
        decPay = FuncPay(intHrs, decPayHr)
        lstPay.Items.Add("The pay is: " & decPay)
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        If intHrs > 40 Then
            Return decPayHr * 40 + (intHrs - 40) * decPayHr * 1.5
        Else
            Return intHrs * decPayHr
        End If
        Return intHrs * decPayHr
    End Function
End Class
Public Class FrmProc
    Inherits System.Windows.Forms.Form
    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal
        intHrs = CInt(txtHrs.Text)
        decPayHr = CDec(txtPayHr.Text, 10, 2)
        decPay = FuncPay(intHrs, decPayHr)
        lstPay.Items.Add("The pay is: ", decPay)
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        If intHrs > 40 Then
            Return decPayHr * 40 + (intHrs - 40) * decPayHr * 1.5
        Else
            Return intHrs * decPayHr
        End If
    End Function

End Class
Public Class FrmProc

    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal
        intHrs = CType(txtHrs.Text, Integer)
        decPayHr = CType(txtPayHr.Text, Decimal)
        decPay = FuncPay(intHrs, decPayHr)
        lstPay.Items.Add("The pay is: " & decPay)
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        If intHrs > 40 Then
            Return decPayHr * 40 + (intHrs - 40) * decPayHr * 1.5
        Else
            Return intHrs * decPayHr
        End If
    End Function

End Class
Public Class FrmProc
    Inherits System.Windows.Forms.Form
    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        Dim decPay As Decimal
        intHrs = CInt(txtHrs.Text, Integer)
        decPayHr = CDec(txtPayHr.Text, Decimal)
        decPay = FuncPay(intHrs, decPayHr)
        lstPay.Items.Add(Chr(34) & "The pay is: " & decPay & Chr(34))
    End Sub

    Function FuncPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal) As Decimal
        If intHrs > 40 Then
            Return decPayHr * 40 + (intHrs - 40) * decPayHr * 1.5
        End If
        Return intHrs * decPayHr
    End Function

End Class
Public Class FrmProc

  Inherits System.Windows.Forms.Form

  Windows Form Designer generated code

Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
  Dim intHrs As Integer
  Dim decPayHr As Decimal

  intHrs = CInt(txtHrs.Text)
  decPayHr = CDec(txtPayHr.Text)

  decPayHr = Convert.ToDecimal(txtPayHr.Text, Decimal)

  'decPayHr = CDec(txtPayHr.Text)
  'decPayHr = CType(txtPayHr.Text, Integer)
  'intHrs = Clnt(txtHrs.Text)

  'dimDir As String

  'Directions()

  decPay = decPayHr
  'intHrs = intHrs

  'intHrs = DecPay

  'ListPay.Items.Add(DecPay)

  'ListPay.Items.Add("The pay from the click event is: " & intHrs * decPayHr)

  End Sub

Sub Directions()

  ListPay.Items.Add("Code multiplies hours by pay per hour")

  End Sub

Sub CalcPay(ByVal intHrs As Integer, ByVal decPayHr As Decimal)

  Dim decPay As Decimal

  decPay = decPayHr * 2

  'ListPay.Items.Add("Pay per hour from sub: " & decPay)
  decPay = intHrs * decPayHr

  'ListPay.Items.Add("The pay from sub is: " & decPay)

  End Sub

End Class
```vbnet
Public Class FrmProc
  Inherits System.Windows.Forms.Form

  Windows Form Designer generated code

  Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
    Dim intHrs As Integer
    Dim decPayHr As Decimal
    intHrs = CInt(txtHrs.Text)
    decPayHr = CDbl(txtPayHr.Text)
    ' Code multiplies hours by pay per hour
    Pay = intHrs * decPayHr
    ' The pay from sub is: 
    lstPay.Items.Add(The pay from sub is: & Pay)
    ' The pay from click event is: 
    lstPay.Items.Add(The pay from click event is: & Pay)
  End Sub

  Sub Directions()
  Let lstPay.Items.Add("Code multiplies hours by pay per hour")
  End Sub

  Sub CalcPay(ByRef intHrs As Integer, ByRef decPayHr As Decimal)
    Dim decPay As Decimal
    decPay = decPayHr * intHrs
    lstPay.Items.Add("Pay per hour from sub is: & decPay")
    lstPay.Items.Add("The pay from sub is: & decPay")
  End Sub

End Class
```
Public Class FrmProc
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        Dim intHrs As Integer
        Dim decPayHr As Decimal
        intHrs = CInt(txtHrs.Text)
        decPayHr = CDec(txtPayHr.Text)
        decPay = Convert.ToDecimal(txtPayHr.Text)
        "calcPay = CDec(txtPayHr.Text)
        Directions()
        CalcPay(intHrs, decPayHr)
        lstPay.Items.Add("Pay per hour from click event: " & decPayHr)
        lstPay.Items.Add("The pay from click event is: " & intHrs * decPayHr)
    End Sub

    Sub Directions()
        lstPay.Items.Add("Code multiplies hours by pay per hour")
    End Sub

    Sub CalcPay(ByVal intHrsProc As Integer, ByRef decPayHrProc As Decimal)
        Dim decPay As Decimal
        decPayHrProc = decPayHrProc + 2
        lstPay.Items.Add("Pay per hour from sub: " & decPayHrProc)
        decPay = intHrsProc * decPayHrProc
        lstPay.Items.Add("The pay from sub is: " & decPay)
    End Sub
End Class
Starting Arrays

```vbnet
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray(3) As String

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        txtDeptName.Text = deptArray(CInt(txtDept.Text))
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        deptArray(0) = "Books"
        deptArray(1) = "Toys"
        deptArray(2) = "Gifts"
        deptArray(3) = "Cookware"
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 3 Then
                txtDeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                txtDeptName.Text = "Invalid Department Number"
            End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
```
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray() As String

    Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        deptArray(0) = "Books"
        deptArray(1) = "Toys"
        deptArray(2) = "Gifts"
        deptArray(3) = "Cookware"
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        txtDeptName.Text = deptArray(0)
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 3 Then
                txtDeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                txtDeptName.Text = "Invalid Department Number"
            End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray(3) As String

    Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        DeptName.Text = deptArray(CInt(txtDept.Text))
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        deptArray(0) = "Books"
        deptArray(1) = "Toys"
        deptArray(2) = "Gifts"
        deptArray(3) = "Cookware"
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 3 Then
                DeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                DeptName.Text = "Invalid Department Number"
            End If
        Else
            DeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray(3) As String

    Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        txtDeptName.Text = deptArray(CInt(txtDept.Text))
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles frmDept.Load
        deptArray(0) = "Books"
        deptArray(1) = "Toys"
        deptArray(2) = "Gifts"
        deptArray(3) = "Cookware"
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 3 Then
                txtDeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                txtDeptName.Text = "Invalid Department Number"
            End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray(5) As String

    Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        txtDeptName.Text = deptArray(CInt(txtDept.Text))
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles frmDept.Load
        deptArray(0) = "Not assigned"
        deptArray(1) = "Toys"
        deptArray(2) = "Gifts"
        deptArray(3) = "Cookware"
        deptArray(4) = "Not assigned"
        deptArray(5) = "Books"
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If !IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 0 Then
                txtDeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                txtDeptName.Text = "Invalid Department Number"
            End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray() As String

    Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        txtDeptName.Text = deptArray(CInt(txtDept.Text))
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        deptArray(0) = "Not assigned"
        deptArray(1) = "Toys"
        deptArray(2) = "Gifts"
        deptArray(3) = "Cookware"
        deptArray(4) = "Not assigned"
        deptArray(5) = "Books"
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 5 Then
                txtDeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                txtDeptName.Text = "Invalid Department Number"
            End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray(4) As String
    Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        txtDeptName.Text = deptArray(CInt(txtDept.Text))
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        deptArray(0) = "Not assigned"
        deptArray(1) = "Toys"
        deptArray(2) = "Gifts"
        deptArray(3) = "Cookware"
        deptArray(4) = "Not assigned"
        deptArray(5) = "Books"
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 5 Then
                txtDeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                txtDeptName.Text = "Invalid Department Number"
            End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
Public Class frmDept
    Inherits System.Windows.Forms.Form

    Dim deptArray() As String

    Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        txtDeptName.Text = deptArray(CInt(txtDept.Text))
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Me.Load
        Dim i As Integer
        For i = 0 To 3
            deptArray(i) = InputBox("Enter dept name", "Dept Array")
        Next
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        If IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 3 Then
                txtDeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                txtDeptName.Text = "Invalid Department Number"
            End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray(3) As String

    ' Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        txtDeptName.Text = deptArray(CInt(txtDept.Text))
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        Dim i As Integer
        For i = 0 To 3
            deptArray(i) = InputBox("Enter dept name", "Dept Array")
        Next
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If IsNumeric(txtDept.Text) Then
            If CInt(txtDept.Text) <= 3 Then
                txtDeptName.Text = deptArray(CInt(txtDept.Text))
            Else
                txtDeptName.Text = "Invalid Department Number"
            End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
        End If
    End Sub
End Class
Public Class frmDept
    Inherits System.Windows.Forms.Form
    Dim deptArray(3) As String

    Windows Form Designer generated code

    Private Sub btnDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDept.Click
        Dim i As Integer
        For i = 0 To 3
            deptArray(i) = InputBox("Enter dept name", "Dept Array")
        Next
    End Sub

    Private Sub frmDept_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        Dim i As Integer
        For i = 0 To 3
            deptArray(i) = InputBox("Enter dept name", "Dept Array")
        Next
    End Sub

    Private Sub btnCheckDept_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCheckDept.Click
        If IsNumeric(txtDeptName.Text) Then
            If CInt(txtDeptName.Text) <= 3 Then
                Dim deptNumber As Integer
                deptNumber = CInt(txtDeptName.Text)
                ' Further processing...
            Else
                txtDeptName.Text = deptArray(CInt(txtDeptName.Text))
                End If
        Else
            txtDeptName.Text = "Non-numeric Department Number"
            End If
        End Sub
    End Class