Since On Order is 24 it does not meet the criteria and nothing is displayed in txtMsg.
Public Class frmInvenAnd
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
        txtItemNo.Clear()
        txtItemName.Clear()
        txtMsg.Clear()
        txtOnHand.Clear()
        txtOnOrder.Clear()
    End Sub

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

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        If txtOnHand.Text < 20 Then
            If txtOnOrder.Text < 20 Then
                txtMsg.Text = "Need to Order"
            End If
        End If
    End Sub
End Class
I have now made a compound using AND.
Public Class frmInvenAnd
Inherits System.Windows.Forms.Form

Windows Form Designer generated code

Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
    txtItemNo.Clear()
    txtItemName.Clear()
    txtNeg.Clear()
    txtOnHand.Clear()
    txtOnOrder.Clear()
End Sub

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

Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
    If txtOnHand.Text < 20 And txtOnOrder.Text < 20 Then
        txtNeg.Text = "Need to Order"
    End If
End Sub

End Class
Does not meet criteria.
Compound AND with else.

Private Sub btnCalo_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalo.Click
    If txtOnHand.Text < 20 And txtOnOrder.Text < 20 Then
        txtMsg.Text = "Need to Order"
    Else
        txtMsg.Text = "No Order Needed"
    End If
End Sub
Public Class frmInventCalc
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

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

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

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

    Windows Form Designer generated code

    Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
        txtItemNo.Clear()
        txItemName.Clear()
        txtMsg.Clear()
        txtOnHand.Clear()
        txtOnOrder.Clear()
    End Sub

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

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.Click
        If txtOnHand.Text < 20 Then
            txtMsg.Text = "Need to Order"
        Else
            If txtOnOrder.Text < 20 Then
                txtMsg.Text = "Need to Order"
            Else
                txtMsg.Text = "Do nothing"
            End If
        End If
    End Sub
End Class
OR with each question asked separately and an alternative if the criteria is not met.
Here it must be Yard in Dept and either on hand or on order must be less than 20. The parenthesis are needed to get this grouping. Without parenthesis, the things around the AND would be grouped and the condition after the OR would stand alone. So if on order was < 20, nothing else would matter.
In this example, the dept must be Yard and either of the on hand or on order questions must be true. Since Dept is not yard it goes directly to the else.
Here I took out the parenthesis and you can see that the onorder question go the Need to Order message because without the parenthesis, it was not impacted by dept not being Yard.
Public Class frmInventoryAndCombine
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
        txtItemNo.Clear()
        txtDept.Clear()
        txtItemName.Clear()
        txtMsg.Clear()
        txtOnHand.Clear()
        txtOnOrder.Clear()
        End Sub

    Private Sub btnSave_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSave.Click
        txtItemNo.Text = Me.txtItemNo.Text
        txtDept.Text = Me.txtDept.Text
        txtItemName.Text = Me.txtItemName.Text
        txtOnOrder.Text = Me.txtOnOrder.Text
        txtMsg.Text = Me.txtMsg.Text
        End Sub

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

        If txtOnHand.Text <> Me.txtOnHand.Text Then
             "OnHand"
        End If
    End Sub

    Private Sub txtOnOrder_Change(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtOnOrder.Change
        If txtOnOrder.Text <> Me.txtOnOrder.Text Then
            Me.txtOnOrder.Text = txtOnOrder.Text
        End If
    End Sub

    Private Sub txtMsg_Change(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtMsg.Change
        If txtItemName.Text <> Me.txtItemName.Text Then
            Me.txtItemName.Text = txtItemName.Text
        End If
    End Sub

    Private Sub txtWt_Change(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtWt.Change
        If txtDept.Text <> Me.txtDept.Text Then
            Me.txtDept.Text = txtDept.Text
        End If
    End Sub

    Private Sub Form_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        txtItemNo.Text = Me.txtItemNo.Text
        txtDept.Text = Me.txtDept.Text
        txtItemName.Text = Me.txtItemName.Text
        txtOnOrder.Text = Me.txtOnOrder.Text
        txtMsg.Text = Me.txtMsg.Text
    End Sub

    Private Sub Form_FormClosing(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.FormClosing
        Me.txtItemNo.Text = Me.txtItemNo.Text
        Me.txtDept.Text = Me.txtDept.Text
        Me.txtItemName.Text = Me.txtItemName.Text
        Me.txtOnOrder.Text = Me.txtOnOrder.Text
        Me.txtMsg.Text = Me.txtMsg.Text
    End Sub

    Private Sub Form_SaveAs(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.SaveAs
        Me.txtItemNo.Text = Me.txtItemNo.Text
        Me.txtDept.Text = Me.txtDept.Text
        Me.txtItemName.Text = Me.txtItemName.Text
        Me.txtOnOrder.Text = Me.txtOnOrder.Text
        Me.txtMsg.Text = Me.txtMsg.Text
    End Sub

    Private Sub Form_Shutdown(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Shutdown
        Me.txtItemNo.Text = Me.txtItemNo.Text
        Me.txtDept.Text = Me.txtDept.Text
        Me.txtItemName.Text = Me.txtItemName.Text
        Me.txtOnOrder.Text = Me.txtOnOrder.Text
        Me.txtMsg.Text = Me.txtMsg.Text
    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()
    txtOnHand.Clear()
    txtOnOrder.Clear()
End Sub

Private Sub btnEnd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles sender.Click
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
This is XOR which means either condition can be true but they cannot both be true.
Public Class frmInvenXOR
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
        txtItemNo.Clear()
        txtItemName.Clear()
        txtMsg.Clear()
        txtOnHand.Clear()
        txtOnOrder.Clear()
    End Sub

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

    Private Sub btnCalc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCalc.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
End Class
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 " & CStr(wkGrade))
    If wkGrade >= 90 Then
        wkLetterGrade = "A"
    Else
        If wkGrade >= 80 Then
            wkLetterGrade = "B"
        Else
            If wkGrade >= 70 Then
                wkLetterGrade = "C"
            Else
                If wkGrade >= 60 Then
                    wkLetterGrade = "D"
                Else
                    wkLetterGrade = "F"
                End If
            End If
        End If
    End If
    If radG17.Checked = True Then
        txtGrade1.Text = "The grade for Programming: Logic, Design and Implementation is " & wkLetterGrade
    Else
        If radG44.Checked = True Then
            txtGrade1.Text = "The grade for Internet Development is " & wkLetterGrade
        Else
            If radG50.Checked = True Then
                txtGrade1.Text = "The grade for Database Technology is " & wkLetterGrade
            Else
                If radG56.Checked = True Then
                    txtGrade1.Text = "The grade for Computer and Software Design is " & wkLetterGrade
                Else
                    If radG60.Checked = True Then
                        txtGrade1.Text = "The grade for Artificial Intelligence is " & wkLetterGrade
                    Else
                        If radG64.Checked = True Then
                            txtGrade1.Text = "The grade for Advanced Database Technology is " & wkLetterGrade
                        Else
                            tooltip1.SetToolTip(txtGrade1, "No grade selected")
                        End If
                    End If
                End If
            End If
        End If
    End If
End Sub
The control characters mean I go to next line.
Public GradeCode() 

Private Sub btnGrade_Click(sender As System.Object, e As System.EventArgs) Handles btnGrade.Click 
Dim wGrade As Decimal 
Dim wLetterGrade As String 
wGrade = (Val(txtGrade.Text) + Val(txtGrade2.Text) + Val(txtGrade3.Text) + Val(txtGrade4.Text)) / 4 
If wGrade >= 90 Then 
wLetterGrade = "A" 
ElseIf wGrade >= 80 Then 
wLetterGrade = "B" 
ElseIf wGrade >= 70 Then 
wLetterGrade = "C" 
ElseIf wGrade >= 60 Then 
wLetterGrade = "D" 
Else 
wLetterGrade = "F" 
End If 
If radC1317.Checked Then 
    txtGrade.Text = "The grade for Programming: Logic, Design and Implementation is " 
        & wLetterGrade 
ElseIf radC1344.Checked Then 
    txtGrade.Text = "The grade for Internet Developer is " 
        & wLetterGrade 
ElseIf radC1350.Checked Then 
    txtGrade.Text = "The grade for Oracle and SQL is " 
        & wLetterGrade 
ElseIf radC1356.Checked Then 
    txtGrade.Text = "The grade for Visual Basic is " 
        & wLetterGrade 
Else 
    txtGrade.Text = "The grade is " & CStr(wGrade) 
End If
End If
End If
If radCI317.Checked = True Then
txtGradeRpt.Text = "The grade for Programming: Logic, Design and Implementation is " & vbCrLf & wkLetterGrade
Else
If radCI324.Checked = True Then
txtGradeRpt.Text = "The grade for Internet Developer is " & vbCrLf & wkLetterGrade
Else
If radCI350.Checked = True Then
txtGradeRpt.Text = "The grade for Oracle and SQL is " & vbCrLf & wkLetterGrade
Else
If radCI356.Checked = True Then
txtGradeRpt.Text = "The grade for Visual Basic is " & vbCrLf & wkLetterGrade
Else
txtGradeRpt.Text = "No course checked"
End If
End If
End If
End If
End Sub

Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnClear.Click
radCI317.Checked = False
radCI324.Checked = False
radCI350.Checked = False
radCI356.Checked = False
txtGradeRpt.Clear()
txtGrade1.Clear()
txtGrade2.Clear()