VB Script for multi year

Sub Calc\_Tot\_Volume\_Year()

Dim row As Double

Dim col As Integer

Dim x As Integer

Dim y As Integer

Dim u As Integer

Dim v As Integer

Dim LastRow As Double

Dim LastColumn As Integer

Dim ActiveSheetNm() As String

Dim Tot\_Volume As Double

Dim Ticker\_Symbol As String

'Dim ws\_name As Worksheet

Dim ws\_count As Integer

Dim stk\_yr\_Open As Double

Dim stk\_yr\_Close As Double

Dim cnt As Integer

Dim cnt\_2 As Integer

Dim grtst\_pct\_incr As Double

Dim grtst\_pct\_incr\_tkr As String

Dim grtst\_pct\_dcrs As Double

Dim grts\_pct\_dcrs\_tkr As String

Dim grtst\_vol As Double

Dim grts\_pct\_vol\_tkr As String

ws\_count = ActiveWorkbook.Worksheets.Count

MsgBox ("Total Worksheets" & Str(ws\_count))

' Declare Current as a worksheet object variable.

' Dim Current As Worksheet

' Loop through all of the worksheets in the active workbook.

' For Each Current In Worksheets

'

' MsgBox Current.Name

' Next

' --------------------------------------------

' LOOP THROUGH ALL SHEETS

' --------------------------------------------

For Each ws In Worksheets

ws.Activate

' Identify last row and last column in the active worksheet

LastRow = Cells(Rows.Count, 1).End(xlUp).row

LastColumn = Cells(2, Columns.Count).End(xlToLeft).Column

' Initialize variables

' These two variables are used to read the input table cols A through G

row = 2

col = 1

' These two variables are used to write the Moderate challange table with four values ticker, price change, %change and volume

x = 1

y = LastColumn + 2

'These two variables are used to write the Hard table with the higest and lowest percent change and the largest volume

u = 1

v = y + 5

cnt = 1

cnt\_2 = 1

' These variables are used to store the greatest pct incr/dec and greatest vol as well as the ticker

grtst\_pct\_incr = 0

grtst\_pct\_dcrs = 0

grtst\_vol = 0

grtst\_pct\_incr\_tkr = ""

grtst\_pct\_dcrs\_tkr = ""

grtst\_vol\_tkr = ""

'These variable is used to store the total volume by each ticker symbol

Tot\_Volume = 0

' Create Header Record for result set - Moderate

Cells(x, y).Value = "Ticker Symbol"

Cells(x, y + 1).Value = "Yearly Change"

Cells(x, y + 2).Value = "Percentage Change"

Cells(x, y + 3).Value = "Total Volume"

' Create Header Record for result set - Hard

Cells(u, v + 1).Value = "Ticker Symbol"

Cells(u, v + 2).Value = "Value"

'Increment the value of x used for the moderate table so that we can write the values and since in the prior section we create the header(label) record

x = x + 1

MsgBox (" Last Row " & Str(LastRow) & " Last Column " & Str(LastColumn))

' Loop through the input table

For row = 2 To LastRow

' This piece of code stores the first open price for a ticker and if the price is 0 it sets it to 1 because of a division by zero calculation further down

If cnt = 1 Then

stk\_yr\_Open = Cells(row, 3).Value

cnt = cnt + 1

End If

' Condition to check if the next ticker symbol is the same or different than the current ticker symbol

If Cells(row, col).Value <> Cells(row + 1, col).Value Then

'MsgBox ("Current Ticker" & Cells(row, col).Value & " Next Ticker " & Cells(row + 1, col).Value)

Tot\_Volume = Tot\_Volume + Cells(row, col + 6)

Ticker\_Symbol = Cells(row, col).Value

stk\_yr\_Close = Cells(row, 6).Value

'Publish values

Cells(x, y).Value = Ticker\_Symbol

Cells(x, y + 1).Value = stk\_yr\_Close - stk\_yr\_Open

If stk\_yr\_Open = 0 Then

Cells(x, y + 2).Value = 0

Else

Cells(x, y + 2).Value = ((stk\_yr\_Close - stk\_yr\_Open) / stk\_yr\_Open)

End If

Cells(x, y + 3).Value = Tot\_Volume

Cells(x, y + 2).NumberFormat = "0.00%"

' Condition to check if the percentage is greater than color green else color red

If (Cells(x, y + 2).Value > 0) Then

Cells(x, y + 2).Interior.ColorIndex = 4

ElseIf (Cells(x, y + 2).Value < 0) Then

Cells(x, y + 2).Interior.ColorIndex = 3

End If

' Calculating greatest and lowest percent changes and greatest volume

If grtst\_pct\_incr < Cells(x, y + 2).Value Then

grtst\_pct\_incr = Cells(x, y + 2).Value

grtst\_pct\_incr\_tkr = Ticker\_Symbol

End If

If grtst\_pct\_dcrs > Cells(x, y + 2).Value Then

grtst\_pct\_dcrs = Cells(x, y + 2).Value

grtst\_pct\_dcrs\_tkr = Ticker\_Symbol

End If

If grtst\_vol < Tot\_Volume Then

grtst\_vol = Tot\_Volume

grtst\_vol\_tkr = Ticker\_Symbol

End If

'Increment publish row by 1

x = x + 1

'Re initialize key variables

Tot\_Volume = 0

stk\_yr\_Open = 0

stk\_yr\_Close = 0

Ticker\_Symbol = ""

cnt = 1

Else

Tot\_Volume = Tot\_Volume + Cells(row, col + 6)

End If

Next row ' End of reading a row from the input table

' Publishing Hard values

Cells(u + 1, v).Value = "Greatest % Increase"

Cells(u + 1, v + 1).Value = grtst\_pct\_incr\_tkr

Cells(u + 1, v + 2).Value = grtst\_pct\_incr

Cells(u + 1, v + 2).NumberFormat = "0.00%"

Cells(u + 2, v).Value = "Greatest % Decrease"

Cells(u + 2, v + 1).Value = grtst\_pct\_dcrs\_tkr

Cells(u + 2, v + 2).Value = grtst\_pct\_dcrs

Cells(u + 2, v + 2).NumberFormat = "0.00%"

Cells(u + 3, v).Value = "Greatest Total Volume"

Cells(u + 3, v + 1).Value = grtst\_vol\_tkr

Cells(u + 3, v + 2).Value = grtst\_vol

Next ' This will cycle to the next worksheet

End Sub