**Multi-yr Stock VBA Script**

Sub stkchk()

' Steps:

' 1. Loop through each worksheet and for each stock...

' 2. create new columns for each stock symbol that...

' 3. list the stock sybmol and summarize the yearly performance results (yearly change, % change, and total volumn)

' set and initialize variables

Dim ws As Worksheet

Dim rptrow As Integer

Dim lastrow As Long

Dim row As Long

Dim ticker As String

Dim ticker\_yropen As Double

Dim ticker\_yrclose As Double

Dim yr\_chg As Double

Dim pct\_chg As Double

Dim tot\_vol As Double

Dim GPI As Double

Dim gpi\_ticker As String

Dim GPD As Double

Dim gpd\_ticker As String

Dim GTV As Double

Dim gtv\_ticker As String

ticker\_yropen = 0

ticker\_yrclose = 0

yr\_chg = 0

pct\_chg = 0

tot\_vol = 0

' Loop through all sheets

For Each ws In Worksheets

ws.Activate

' write report header titles and init greatest val variables

Set Header = Range("i1:l1")

Range("i1") = "Ticker"

Range("j1") = "Yearly Change"

Range("k1") = "Percent Change"

Range("l1") = "Total Volume"

Range("P1") = "Ticker"

Range("Q1") = "Value"

Set rowhdr = Range("O2:O4")

Range("O2") = "Greatest % Increase"

Range("O3") = "Greatest % Decrease"

Range("O4") = "Greatest Total Volume"

GPI = 0

GPD = 0

GTV = 0

' find last ticker row and intialize row counts

lastrow = Cells(Rows.Count, "A").End(xlUp).row

rptrow = 2

ticker = Range("A2").Value

ticker\_yropen = Range("C2").Value

' loop through each of the tickers (skip header row)

For row = 2 To lastrow

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

' calculate and populate report yr/pct change values

ticker\_yrclose = Cells(row, 6).Value

tot\_vol = tot\_vol + Cells(row, 7).Value

yr\_chg = ticker\_yrclose - ticker\_yropen

If ticker\_yropen <> 0 Then

pct\_chg = (yr\_chg / ticker\_yropen)

Else: pct\_chg = 0

End If

ticker = Cells(row, 1).Value

' Print the report record

Range("I" & rptrow).Value = ticker

Range("J" & rptrow).Value = yr\_chg

Range("K" & rptrow).Value = pct\_chg

Range("K" & rptrow).NumberFormat = "0.00%"

Range("L" & rptrow).Value = tot\_vol

' paint cells red or green based on respective negative or positive value

If Range("J" & rptrow).Value > 0 Then Range("J" & rptrow).Interior.Color = vbGreen

If Range("J" & rptrow).Value < 0 Then Range("J" & rptrow).Interior.Color = vbRed

' retreive greatest report summary highs and lows

If pct\_chg > GPI Then

GPI = pct\_chg

gpi\_ticker = ticker

End If

If pct\_chg < GPD Then

GPD = pct\_chg

gpd\_ticker = ticker

End If

If tot\_vol > GTV Then

GTV = tot\_vol

gtv\_ticker = ticker

End If

' Autofit to display data

ws.Columns("I:L").AutoFit

' Increase report row and reset report variables

rptrow = rptrow + 1

ticker\_yropen = Cells(row + 1, 3).Value

yr\_chg = 0

pct\_chg = 0

tot\_vol = 0

Else

' add stock valume to total stock volume

tot\_vol = tot\_vol + Cells(row, 7).Value

End If

Next row

Range("P2").Value = gpi\_ticker

Range("Q2").Value = GPI

Range("Q2").NumberFormat = "0.00%"

Range("P3").Value = gpd\_ticker

Range("Q3").Value = GPD

Range("Q3").NumberFormat = "0.00%"

Range("P4").Value = gtv\_ticker

Range("Q4").Value = GTV

ws.Columns("O:Q").AutoFit

Next

End Sub