Option Explicit

Sub stocks()

Const VOLUME\_COL As Integer = 7

Const OPEN\_COL As Integer = 3

Const COLOR\_RED As Integer = 3

Const COLOR\_GREEN As Integer = 4

Dim input\_row As Long

Dim lastrow As Long

Dim stockticker As String

Dim total\_volume As LongLong

Dim output\_row As Integer

Dim yearlychange As Double

Dim openvalue As Double

Dim closevalue As Double

Dim ws As Worksheet

Dim greatest\_increase As Double

Dim greatest\_decrease As Double

Dim greatest\_total\_volume As Long

Dim change\_ratio As Double

For Each ws In Worksheets

ws.Activate

Cells(1, 9) = "Ticker"

Cells(1, 10) = "Yearly Change"

Cells(1, 11) = "Percent Change"

Cells(1, 12) = "Total Stock Value"

Cells(1, 16) = "Ticker"

Cells(1, 17) = "Value"

Cells(2, 15) = "Greatest % Increase"

Cells(3, 15) = "Greatest % Decrease"

Cells(4, 15) = "Greatest Total Volume"

lastrow = ws.Cells(Rows.Count, 1).End(xlUp).Row

total\_volume = 0

output\_row = 2

For input\_row = 2 To lastrow

stockticker = Cells(input\_row, 1).Value

'First row of new stock

If Cells(input\_row - 1, 1).Value <> stockticker Then

total\_volume = 0

openvalue = Cells(input\_row, OPEN\_COL).Value

End If

'Every row including first and last

total\_volume = total\_volume + Cells(input\_row, VOLUME\_COL).Value

'Last row of current stock

If Cells(input\_row + 1, 1).Value <> stockticker Then

'input

closevalue = Cells(input\_row, 6).Value

'calculations

yearlychange = openvalue - closevalue

change\_ratio = yearlychange / openvalue

'output

Range("I" & output\_row).Value = stockticker

Range("J" & output\_row).Value = yearlychange

If yearlychange >= 0 Then

Range("J" & output\_row).Interior.ColorIndex = COLOR\_GREEN

Else

Range("J" & output\_row).Interior.ColorIndex = COLOR\_RED

End If

Range("K" & output\_row).Value = FormatPercent(change\_ratio, 2)

Range("L" & output\_row).Value = total\_volume

'prepare for next stock

output\_row = output\_row + 1

End If

Next input\_row

Dim matching\_ticker\_max As Long

Dim matching\_ticker\_min As Long

Dim matching\_ticker\_vol As Long

Range("Q2") = "%" & WorksheetFunction.Max(Range("K2:K" & lastrow)) \* 100

Range("Q3") = "%" & WorksheetFunction.Min(Range("K2:K" & lastrow)) \* 100

Range("Q4") = WorksheetFunction.Max(Range("L2:L" & lastrow))

matching\_ticker\_max = WorksheetFunction.Match(WorksheetFunction.Max(Range("K2:K" & lastrow)), Range("K2:K" & lastrow), 0)

Range("P2") = Cells(matching\_ticker\_max + 1, 9)

matching\_ticker\_min = WorksheetFunction.Match(WorksheetFunction.Min(Range("K2:K" & lastrow)), Range("K2:K" & lastrow), 0)

Range("P3") = Cells(matching\_ticker\_min + 1, 9)

matching\_ticker\_vol = WorksheetFunction.Match(WorksheetFunction.Max(Range("L2:L" & lastrow)), Range("L2:L" & lastrow), 0)

Range("P4") = Cells(matching\_ticker\_max + 1, 9)

Next ws

End Sub