Sub Calculate()

Dim ws As Worksheet

Dim tickerName As String

Dim summaryTableRow As Integer

Dim yearlyChange As Double, percentageChange As Double

Dim openValue As Double, closeValue As Double

Dim totalStock As Double

Dim lastRow As Long

Dim lastRowSummary As Integer

Dim G\_Increase\_Name As String

Dim G\_Decrease\_Name As String

Dim G\_TotalVolume\_Name As String

Dim G\_Increase\_Value As Double

Dim G\_Decrease\_Value As Double

Dim G\_TotalVolume\_Value As Double

Dim MaxRow As Double

Dim MinRow As Double

Dim MaxVolume As Double

For Each ws In ThisWorkbook.Worksheets

summaryTableRow = 2

'Set headers

ws.Range("I1:L1").Value = Array("Ticker", "Yearly Change", "Percentage Change", "Total Stock Volume")

ws.Range("N2").Value = "Greatest % Increase"

ws.Range("N3").Value = "Greatest % Decrease"

ws.Range("N4").Value = "Greatest Total Volume"

ws.Range("O1:P1").Value = Array("Ticker", "Value")

'Find last row

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

'Find first open value for first ticker

openValue = ws.Cells(2, 3).Value

'Loop to read all data

For i = 2 To lastRow

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

'Find ticker name

tickerName = ws.Cells(i, 1).Value

'Find close value

closeValue = ws.Cells(i, 6).Value

'Calculate yearly chage

yearlyChange = closeValue - openValue

'Find percentage change

If openValue <> 0 Then

percentageChange = 1 - (closeValue / openValue)

Else

percentageChange = 0

End If

'Get new open value for next ticker

openValue = ws.Cells(i + 1, 3).Value

'Total stock volume

totalStock = totalStock + ws.Cells(i, 7).Value

'Printing Summary

ws.Range("I" & summaryTableRow).Value = tickerName

ws.Range("J" & summaryTableRow).Value = yearlyChange

ws.Range("K" & summaryTableRow).Value = percentageChange

ws.Range("L" & summaryTableRow).Value = totalStock

'Change format to percentage

ws.Range("K" & summaryTableRow).NumberFormat = "0.00%"

summaryTableRow = summaryTableRow + 1

totalStock = 0

Else

'Calculate total stock volume for the same ticker

totalStock = totalStock + ws.Cells(i, 7).Value

End If

Next i

lastRowSummary = ws.Cells(ws.Rows.Count, 9).End(xlUp).Row

For i = 2 To lastRowSummary

'Coloring'

If ws.Cells(i, 10).Value >= 0 Then

ws.Cells(i, 10).Interior.ColorIndex = 4

ElseIf ws.Cells(i, 10).Value < 0 Then

ws.Cells(i, 10).Interior.ColorIndex = 3

Else

ws.Cells(i, 10).Interior.ColorIndex = 0

End If

Next i

'Calculate and set values for the summary section

G\_Increase\_Value = WorksheetFunction.Max(ws.Range("K:K"))

ws.Range("P2").Value = G\_Increase\_Value

G\_Decrease\_Value = WorksheetFunction.Min(ws.Range("K:K"))

ws.Range("P3").Value = G\_Decrease\_Value

G\_TotalVolume\_Value = WorksheetFunction.Max(ws.Range("L:L"))

ws.Range("P4").Value = G\_TotalVolume\_Value

ws.Range("P2").NumberFormat = "0.00%"

ws.Range("P3").NumberFormat = "0.00%"

MaxRow = WorksheetFunction.Match((G\_Increase\_Value), ws.Range("K:K"), 0)

ws.Range("O2").Value = ws.Cells(MaxRow, 9).Value

MinRow = WorksheetFunction.Match((G\_Decrease\_Value), ws.Range("K:K"), 0)

ws.Range("O3").Value = ws.Cells(MinRow, 9).Value

MaxVolume = WorksheetFunction.Match(G\_TotalVolume\_Value, ws.Range("L:L"), 0)

ws.Range("O4").Value = ws.Cells(MaxVolume, 9).Value

Next ws

End Sub