VBA Code – The Wall of Wall Street

Sub Stocks()

Dim ws As Worksheet, Ticker As String, totalStock\_Vol As Double, summaryTable As Integer, lastRow As Long

Dim yearChange As Double, openPrice As Double, closePrice As Double, percentChange As Double

For Each ws In ThisWorkbook.Worksheets 'To loop through each worksheet

With ws

'set headers for the summary table

.Range("I1").Value = "Ticker"

.Range("J1").Value = "Yearly Change"

.Range("K1").Value = "Percent Change"

.Range("L1").Value = "Total Stock"

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

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

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

.Range("O1").Value = "Ticker"

.Range("P1").Value = "Value"

.Range("I1:P1").Columns.AutoFit

.Range("N2:N4").Columns.AutoFit

totalStock\_Vol = 0 ' Set an initial variable for holding the total stock vol and reset counter

summaryTable = 2 ' Create a summary table to keep track of the stock

lastRow = .Cells(.Rows.Count, 1).End(xlUp).Row 'Set an initial variable that counts the number of rows in each worksheet

openPrice = .Cells(2, 3).Value 'Set the initial open price

For i = 2 To lastRow 'Loop through all stock (ticker)

' Check that we are still within the same stock(ticker), if it has changed..

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

Ticker = .Cells(i, 1).Value 'Set the stock(ticker) name

totalStock\_Vol = totalStock\_Vol + .Cells(i, 7).Value 'Add to the totalStock\_Vol

.Range("I" & summaryTable).Value = Ticker 'Print the stock name (ticker) in the summary table

.Range("L" & summaryTable).Value = totalStock\_Vol 'Print the stock volume amount to the summary table

closePrice = .Cells(i, 6).Value 'Set close price

yearChange = closePrice - openPrice 'Add Yearly Change

.Range("J" & summaryTable).Value = yearChange 'Print the yearly change

'Determine the percentage change

If openPrice = 0 And closePrice = 0 Then

percentChange = 0

ElseIf openPrice = 0 And closePrice <> 0 Then

percentChange = 1

Else

percentChange = yearChange / openPrice

'Print the percentage change

.Range("K" & summaryTable).Value = percentChange

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

End If

summaryTable = summaryTable + 1 'Add one to the summary table

totalStock\_Vol = 0 'Reset the totalStock\_Vol

openPrice = Cells(i + 1, 3) 'Reset the open price

'if the stock in the next row is the same stock name (ticker) the following will be executed...

Else

totalStock\_Vol = totalStock\_Vol + .Cells(i, 7).Value 'Add to thetotalStock\_Vol

End If

Next i

'Conditional formatting

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

For j = 2 To ylastRow 'Initiate cell colors

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

.Cells(j, 10).Interior.ColorIndex = 4

Else: .Cells(j, 10).Interior.ColorIndex = 3

End If

Next j

' Calculate the greatest % increase, % decrease and greatest total volume

For n = 2 To ylastRow

If .Cells(n, 11).Value = Application.WorksheetFunction.Max(.Range("K2:K" & ylastRow)) Then

.Cells(2, 15).Value = .Cells(n, 9).Value

.Cells(2, 16).Value = .Cells(n, 11).Value

.Cells(2, 16).NumberFormat = "0.00%"

ElseIf .Cells(n, 11).Value = Application.WorksheetFunction.Min(.Range("K2:K" & ylastRow)) Then

.Cells(3, 15).Value = .Cells(n, 9).Value

.Cells(3, 16).Value = .Cells(n, 11).Value

.Cells(3, 16).NumberFormat = "0.00%"

ElseIf .Cells(n, 12).Value = Application.WorksheetFunction.Max(.Range("L2:L" & ylastRow)) Then

.Cells(4, 15).Value = .Cells(n, 9).Value

.Cells(4, 16).Value = .Cells(n, 12).Value

End If

Next n

End With

Next ws

End Sub