' Calculate yearly changed, percentage and total stock volume exchanged

Sub CalculateSummary()

' Declare variables

Dim vSummaryTableRow As Integer

Dim vLastRow As Long

Dim vYrOpenPrice As Double

Dim vYrChangePrice As Double

Dim vPctChange As Double

Dim vTotStkVolume As Double

Dim vNewTicker As Boolean

' Initialise variables

vSummaryTableRow = 2

vNewTicker = True

' Setup summary table header

Range("I1") = "Ticker"

Range("J1") = "Yearly Changed"

Range("K1") = "Percentage Changed"

Range("L1") = "Total Stock Volume"

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

' Loop through all Ticker's data rows

For i = 2 To vLastRow

' New ticker, save the first open price which is needed later for comparing with the last closed price

If vNewTicker Then

vYrOpenPrice = Cells(i, 3)

vNewTicker = False

End If

' Check if we are still within the same ticker name, if it is not...

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

' Calculate and assign value to variables

vYrChangePrice = Cells(i, 6) - vYrOpenPrice

If vYrOpenPrice <> 0 Then

vPctChange = vYrChangePrice / vYrOpenPrice

End If

vTotStkVolume = vTotStkVolume + Cells(i, 7)

' Print the Ticker Name and its relavant details to the Summary Table

Range("I" & vSummaryTableRow) = Cells(i, 1)

Range("J" & vSummaryTableRow) = vYrChangePrice

Range("K" & vSummaryTableRow) = vPctChange

Range("L" & vSummaryTableRow) = vTotStkVolume

' Change color to Red = 3 if value is negative, if positive color Green = 4

If vYrChangePrice < 0 Then

Range("J" & vSummaryTableRow).Interior.ColorIndex = 3

Else

Range("J" & vSummaryTableRow).Interior.ColorIndex = 4

End If

' After printing out, increment the summary table row count, and reset variables for next row

vSummaryTableRow = vSummaryTableRow + 1

vYrOpenPrice = 0

vYrChangePrice = 0

vPctChange = 0

vTotStkVolume = 0

vNewTicker = True

' If the cell immediately following a row is the same ticker...

Else

' Add value to Total variable

vTotStkVolume = vTotStkVolume + Cells(i, 7)

End If

Next i

End Sub