VBA-challenge Script

Sub VBA\_HW():

Dim ws As Worksheet

For Each ws In Sheets

ws.Activate

Range("I1") = "Ticker"

Range("J1") = "Yearly Change"

Range("K1") = "Percent Change"

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

' Set an initial variable for holding the ticker name

Dim Ticker\_Name As String

' Set an initial variable for holding the totals per ticker

Dim totalStock\_Volume As Long

totalStock\_Volume = 0

Dim Yearly\_Change As Double

Dim Percent\_Change As Double

' Keep track of the location for each ticker in the summary table

Dim Summary\_Table\_Row As Integer

Summary\_Table\_Row = 2

' Loop through all tickers

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

For I = 2 To lastRow

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

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

' Set the ticker

Ticker\_Name = Cells(I, 1).Value

totalStock\_Volume = totalStock\_Volume + Cells(I, 7).Value

' Add to the Totals

Yearly\_Change = ((Cells(I, 6).Value) - (Cells(I, 3).Value))

Percent\_Change = ((Yearly\_Change) / (Cells(I, 3).Value))

' Print the Tickers in the Summary Table

Range("I" & Summary\_Table\_Row).Value = Ticker\_Name

' Print the Totals to the Summary Table

Range("J" & Summary\_Table\_Row).Value = Yearly\_Change

ElseIf Range("J" & Summary\_Table\_Row).Value > 0 Then

Range("J" & Summary\_Table\_Row).Interior.ColorIndex = 4

ElseIf Range("J" & Summary\_Table\_Row).Value < 0 Then

Range("J" & Summary\_Table\_Row).Interior.ColorIndex = 3

Range("K" & Summary\_Table\_Row).Value = Percent\_Change

Range("K" & Summary\_Table\_Row).Style = "Percent"

Range("K" & Summary\_Table\_Row).NumberFormat = "0.00%"

Range("L" & Summary\_Table\_Row).Value = totalStock\_Volume

' Add one to the summary table row

Summary\_Table\_Row = Summary\_Table\_Row + 1

' Reset the volume Total

totalStock\_Volume = 0

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

Else

' Add to the Volume Total

totalStock\_Volume = totalStock\_Volume + Cells(I, 7).Value

End If

Next I

Next ws

End Sub