VBA HOMEWORK CODE

Sub stock\_analysis():

'Set Dimensions

Dim total As Double

Dim ws As Worksheet

Dim i As Long

Dim change As Double

Dim j As Integer

Dim start As Long

Dim rowCount As Long

Dim percentChange As Double

Dim days As Integer

Dim dailyChange As Double

Dim averageChange As Double

For Each ws In Worksheets

'Set values for each worksheet

j = 0

total = 0

change = 0

start = 2

dailyChange = 0

'Set title row

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

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

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

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

'get the row number of the last row with data

rowCount = ws.Cells(Rows.Count, "A").End(xlUp).Row

For i = 2 To rowCount

'If ticker change then print results

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

'Stores results in variable

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

If total = 0 Then

'Results

ws.Range("I" & 2 + j).Value = Cells(i, 1).Value

ws.Range("J" & 2 + j).Value = 0

ws.Range("K" & 2 + j).Value = "%" & 0

ws.Range("L" & 2 + j).Value = 0

Else

'Find First non zero starting value

If ws.Cells(start, 3) = 0 Then

For find\_value = start To i

If ws.Cells(find\_value, 3).Value <> 0 Then

start = find\_value

Exit For

End If

Next find\_value

End If

'Calculate Change

change = (ws.Cells(i, 6) - Cells(start, 3))

percentChange = Round((change / ws.Cells(start, 3) \* 100), 2)

'start of the next stock ticker

start = i + 1

'print the results

ws.Range("I" & 2 + j).Value = ws.Cells(i, 1).Value

ws.Range("J" & 2 + j).Value = Round(change, 2)

ws.Range("K" & 2 + j).Value = "%" & percentChange

ws.Range("L" & 2 + j).Value = total

'colors positive green and negetive as red

If change > 0 Then

ws.Range("J" & 2 + j).Interior.ColorIndex = 4

ElseIf change < 0 Then

ws.Range("J" & 2 + j).Interior.ColorIndex = 3

Else

ws.Range("J" & 2 + j).Interior.ColorIndex = 0

End If

End If

'reset the variable for new stock ticker

total = 0

change = 0

j = j + 1

days = 0

dailyChange = 0

'If ticker is still the same add results

Else

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

End If

Next i

Next ws

End Sub