Sub stocks():

'used office hours, TA and LA to help with coding

Dim i As Long ' row number

Dim cell\_vol As LongLong ' contents of column G (cell volume)

Dim vol\_total As LongLong ' what is going to go in column L

Dim ticker As String ' what is going to go in column I

Dim k As Long ' leaderboard row

Dim ticker\_close As Double

Dim ticker\_open As Double

Dim price\_change As Double

Dim percent\_change As Double

Dim ws As Worksheet

Dim greatest\_volume As LongLong

Dim greatest\_percent As Double

Dim lowest\_percent As Long

' asked the xpert

Dim lastRow As Long

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

vol\_total = 0

k = 2

' Write Leaderboard Columns

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

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

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

Range("L1").Value = "Volume"

' assign open for first ticker

ticker\_open = Cells(2, 3).Value

For i = 2 To lastRow:

cell\_vol = Cells(i, 7).Value

ticker = Cells(i, 1).Value

' LOOP rows 2 to last row

' check if next row ticker is DIFFERENT

' if the same, then we only need to add to the vol\_total

' if DIFFERENT, then we need add last row, write out to the leaderboard

' reset the vol\_total to 0

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

vol\_total = vol\_total + cell\_vol

' get the closing price of the ticker

ticker\_close = Cells(i, 6).Value

price\_change = ticker\_close - ticker\_open

' Check if open price is 0 first

If (ticker\_open > 0) Then

percent\_change = price\_change / ticker\_open

Else

percent\_change = 0

End If

Cells(k, 9).Value = ticker

Cells(k, 10).Value = price\_change

Cells(k, 11).Value = percent\_change

Cells(k, 12).Value = vol\_total

' formatting

If (price\_change > 0) Then

Cells(k, 10).Interior.ColorIndex = 4 ' Green

ElseIf (price\_change < 0) Then

Cells(k, 10).Interior.ColorIndex = 3 ' Red

Else

Cells(k, 10).Interior.ColorIndex = 2 ' White

End If

' reset

vol\_total = 0

k = k + 1

ticker\_open = Cells(i + 1, 3).Value ' look ahead to get next ticker open

Else

' we just add to the total

vol\_total = vol\_total + cell\_vol

End If

Next i

' Style my leaderboard

Columns("K:K").NumberFormat = "0.00%"

Columns("I:L").AutoFit

'write second leader board

ws.Range("Q2").Value = greatest\_percent

ws.Range("Q3").Value = lowest\_percent

ws.Range("4").Value = greatest\_volume

i ticker

End Sub

'Sub reset()

'Range("I:L").Value = ""

'Range("I:L").Interior.ColorIndex = 2

'End Sub