Sub stock\_data()

' Declaring variables

Dim ws As Worksheet

Dim stock As String

Dim next\_stock As String

Dim volume As LongLong

Dim total\_volume As LongLong

Dim i As Long

Dim leaderboard\_row As Long

Dim lastRow As Long

' new variables

Dim open\_price As Double

Dim closing\_price As Double

Dim change As Double

Dim percent\_change As Double

For Each ws In ThisWorkbook.Worksheets

' Set Column Headers

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

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

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

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

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

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

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

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

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

' Reset per stock

total\_volume = 0

open\_price = ws.Cells(2, 3).Value

leaderboard\_row = 2

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

For i = 2 To lastRow

' extract values from workbook

stock = ws.Cells(i, 1).Value

volume = ws.Cells(i, 7).Value

next\_stock = ws.Cells(i + 1, 1).Value

' if statement

If (stock <> next\_stock) Then

' add total

total\_volume = total\_volume + volume

' Change logic

closing\_price = ws.Cells(i, 6).Value

change = closing\_price - open\_price

percent\_change = change / open\_price

' write to leaderboard

ws.Cells(leaderboard\_row, 9).Value = stock

ws.Cells(leaderboard\_row, 10).Value = change

ws.Cells(leaderboard\_row, 11).Value = FormatPercent(percent\_change)

ws.Cells(leaderboard\_row, 12).Value = total\_volume

' Conditional Formatting

If (change < 0) Then

ws.Cells(leaderboard\_row, 10).Interior.ColorIndex = 3

ElseIf (change > 0) Then

ws.Cells(leaderboard\_row, 10).Interior.ColorIndex = 4

Else

' Do Nothing (default White)

End If

' reset total

total\_volume = 0

leaderboard\_row = leaderboard\_row + 1

' the open price of the next stock

open\_price = ws.Cells(i + 1, 3).Value

Else

' add total

total\_volume = total\_volume + volume

End If

Next i

' Second Loop for Second Leaderboard

Dim max\_price As Double

Dim min\_price As Double

Dim max\_volume As LongLong

Dim max\_price\_stock As String

Dim min\_price\_stock As String

Dim max\_volume\_stock As String

Dim j As Integer

' init to first row of the first leaderboard for comparison

max\_price = ws.Cells(2, 11).Value

min\_price = ws.Cells(2, 11).Value

max\_volume = ws.Cells(2, 12).Value

max\_price\_stock = ws.Cells(2, 9).Value

min\_price\_stock = ws.Cells(2, 9).Value

max\_volume\_stock = ws.Cells(2, 9).Value

For j = 2 To leaderboard\_row

' Compare current row to the inits (first row)

If (ws.Cells(j, 11).Value > max\_price) Then

' We have a new Max Percent Change!

max\_price = ws.Cells(j, 11).Value

max\_price\_stock = ws.Cells(j, 9).Value

End If

If (Cells(j, 11).Value < min\_price) Then

' We have a new Min Percent Change!

min\_price = ws.Cells(j, 11).Value

min\_price\_stock = ws.Cells(j, 9).Value

End If

If (Cells(j, 12).Value > max\_volume) Then

' We have a new Max Volume!

max\_volume = ws.Cells(j, 12).Value

max\_volume\_stock = ws.Cells(j, 9).Value

End If

Next j

' Write out to Excel Workbook

ws.Range("O2").Value = max\_price\_stock

ws.Range("O3").Value = min\_price\_stock

ws.Range("O4").Value = max\_volume\_stock

ws.Range("P2").Value = FormatPercent(max\_price)

ws.Range("P3").Value = FormatPercent(min\_price)

ws.Range("P4").Value = max\_volume

Next ws

End Sub