Stock Market Analysis coding:

Sub StockMarket()

' worksheet loop

Dim ws As Worksheet

For Each ws In Worksheets

ws.Activate

'create the variables

Dim i As Long

Dim j As Long

Dim k As Long

Dim ticker As String

Dim quarterly\_change As Double

Dim percent\_change As Double

Dim volume As Double

Dim opening\_price As Double

Dim closing\_price As Double

Dim row As Double

Dim column As Double

' find the last row of the table

last\_row = ws.Cells(Rows.Count, 1).End(xlUp).row

' Column creation

Cells(1, 9).Value = "Ticker"

Cells(1, 10).Value = "Quaterly Change"

Cells(1, 11).Value = "Percent Change"

Cells(1, 12).Value = "Total Stock Volume"

'reset the value

volume = 0

row = 2

column = 1

' setting the opening price

opening\_price = Cells(2, column + 2).Value

' loop through all ticker

For i = 2 To last\_row

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

' setting ticker name

ticker = Cells(i, column).Value

Cells(i, 9).Value = ticker

' set the Colors as per positive and negative change

For j = 2 To ticker\_last\_row

If (Cells(j, 10).Value > 0 Or Cells(j, 10).Value = 0) Then

Cells(j, 10).Interior.ColorIndex = 4

ElseIf Cells(j, 10).Value < 0 Then

Cells(j, 10).Interior.ColorIndex = 3

End If

Next j

' setting closing price

closing\_price = Cells(i, column + 5).Value

' calculate quarterly change

quarterly\_change = closing\_price - opening\_price

' calculate percent change

percent\_change = quarterly\_change / opening\_price

Cells(row, column + 10).NumberFormat = "0.00%"

' calculate total volume per quarter

volume = volume + Cells(i, column + 6).Value

' loop to the next row

row = row + 1

' reset open price to next ticker

opening\_price = Cells(i + 1, column + 2)

' reset volume for next ticker

volume = 0

Else

volume = volume + Cells(i, column + 6).Value

End If

Next i

' find the last row of ticker column

ticker\_last\_row = ws.Cells(Rows.Count, 9).End(xlUp).row

' BONUS: set Ticker, Value, Greatest %, Increase, % Decrease, and Total volume headers

Cells(1, 16).Value = "Ticker"

Cells(1, 17).Value = "Value"

Cells(2, 15).Value = "Greatest % Increase"

Cells(3, 15).Value = "Greatest % Decrease"

Cells(4, 15).Value = "Greatest Total Volume"

' find the highest value of each ticker

For k = 2 To ticker\_last\_row

If Cells(k, 11).Value = Application.WorksheetFunction.Max(ws.Range("K2:K" & ticker\_last\_row)) Then

Cells(2, 16).Value = Cells(k, 9).Value

Cells(2, 17).Value = Cells(k, 11).Value

Cells(2, 17).NumberFormat = "0.00%"

ElseIf Cells(k, 11).Value = Application.WorksheetFunction.Min(ws.Range("K2:K" & ticker\_last\_row)) Then

Cells(3, 16).Value = Cells(k, 9).Value

Cells(3, 17).Value = Cells(k, 11).Value

Cells(3, 17).NumberFormat = "0.00%"

ElseIf Cells(k, column + 11).Value = Application.WorksheetFunction.Max(ws.Range("L2:L" & ticker\_last\_row)) Then

Cells(4, 16).Value = Cells(k, 9).Value

Cells(4, 17).Value = Cells(k, 12).Value

End If

Next k

Next ws

End Sub