Sub dataStockVolume():

For Each ws In Worksheets

'This sets a variable for holding the ticker name

Dim ticker As String

'This sets variables to capture the stocks opening and closing price

Dim Opening\_Price As Double

Dim Closing\_Price\_Price As Double

'This sets variables to hold the values of yearly change and percent change

Dim Yearly\_Change As Double

Dim Percent\_Change As Double

'This variable tracks the location for the open price

Dim Price\_Row As Long

Price\_Row = 2

‘Assign the total stock volume as 0

Total = 0

'This tracks the location for stocks name

Dim Summary\_Table\_Row As Integer

Summary\_Table\_Row = 2

'Set title row headers for the following:

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

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

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

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

ws.Range("P1").Value = "Ticker”"

ws.Range("Q1").Value = "Value"

ws.Range("Q2").Value = "Greatest % Increase"

ws.Range("Q3").Value = "Greatest % Decrease"

ws.Range("O4").Value = "Greatest Total Volume"

'Get the row number for the last row of data

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

'Loop through column A, find different stock names and add stock volume together

For i = 2 To Row\_Count:

'use if condition to compare cells(i, 1).value with cells(i+1, 1).value

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

'set ticker name

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

'Add to stock volume total

Total = Total + ws.Range("G" & i).Value

'print ticker name

ws.Range("I" & Summary\_Table\_Row).Value = ticker

'Print total stock volume

ws.Range("L" & Summary\_Table\_Row).Value = Total

'Calculate yearly change and percent change

Opening\_Price = ws.Range("C" & Price\_Row).Value

Closing\_Price\_Price = ws.Range("F" & i).Value

Yearly\_Change = Closing\_Price\_Price - Opening\_Price

‘This handles zero total volume

If Opening\_Price = 0 Then

Percent\_Change = 0

Else

Percent\_Change = Yearly\_Change / Opening\_Price

End If

'Print values of yearly change and percent change and change number format

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

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

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

'Set conditional formatting to display positive changes in green and negative changes in red

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

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

Else

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

End If

'This adds one to the summary table row

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

Price\_Row = i + 1

'This will reset the total stock volume

Total = 0

Else

Total = Total + ws.Range("G" & i).Value

End If

Next i

‘This will set the stock’s percentage change as well as the total stock volume

Greatest\_Increase = ws.Range("K2").Value

Greatest\_Decrease = ws.Range("K2").Value

Greatest\_Total = ws.Range("L2").Value

'Define last row of Ticker column

Row\_Count = ws.Cells(Rows.Count, "I").End(xlUp).Row

‘This will loop through each ticker column row to find highest results

For j = 2 To Row\_Count:

If ws.Range("K" & j + 1).Value > Greatest\_Increase Then

Greatest\_Increase = ws.Range("K" & j + 1).Value

Greatest\_Increase\_Ticker = ws.Range("I" & j + 1).Value

ElseIf ws.Range("K" & j + 1).Value < Greatest\_Decrease Then

Greatest\_Decrease = ws.Range("K" & j + 1).Value

Greatest\_Decrease\_Ticker = ws.Range("I" & j + 1).Value

ElseIf ws.Range("L" & j + 1).Value > Greatest\_Total Then

Greatest\_Total = ws.Range("L" & j + 1).Value

Greatest\_Total\_Ticker = ws.Range("I" & j + 1).Value

End If

Next j

'Print greatest % increase, greatest % decrease, greatest total volume and their ticker names

ws.Range("P2").Value = Greatest\_Increase\_Ticker

ws.Range("P3").Value = Greatest\_Decrease\_Ticker

ws.Range("P4").Value = Greatest\_Total\_Ticker

ws.Range("Q2").Value = Greatest\_Increase

ws.Range("Q3").Value = Greatest\_Decrease

ws.Range("Q4").Value = Greatest\_Total

ws.Range("Q2:Q3").NumberFormat = "0.00%"

Next ws

End Sub