Sub stock\_data()

'loops through all sheets

For Each ws In Worksheets

'set the headers for the ticker table

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

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

ws.Range("K1") = "Precent Change"

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

'set the variable for the ticker

Dim Ticker As String

'set the variables for the yearly change

Dim OpenStart As Double

Dim CloseEnd As Double

Dim Yearly\_Change As Double

'set the variable for the percent change

Dim Percent\_Change As Double

'set the variable for the total stock volume

Dim Total\_Stock\_Volume As Double

Total\_Stock\_Volume = 0

'set the location of the ticker table

Dim Ticker\_Table As Integer

Ticker\_Table = 2

'find the last row in the data provided

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

'the first row where we need to start to pull the data for the yearly change

'source 1 used here

OpenStart = ws.Cells(2, 3).Value

'loop through all the tickers

For i = 2 To lastrow

'checks if in the same ticker and if not moves to the next one

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

'set the ticker name

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

'adds the stock volume for each ticker

Total\_Stock\_Volume = Total\_Stock\_Volume + ws.Cells(i, 7).Value

'loops to the last row of a ticker to pull the data for the yearly change

'source 1 used here

CloseEnd = ws.Cells(i, 6).Value

'subtracts the two values to get the yearly change

Yearly\_Change = (CloseEnd - OpenStart)

'divides to find the percent change

Percent\_Change = Yearly\_Change / OpenStart

'prints the ticker name in the ticker table

ws.Range("I" & Ticker\_Table).Value = Ticker

'prints the yearly change in the ticker table

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

'prints the percent change in the ticker table

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

'changes the format of the decimal to a precent

'source 3 used here

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

'prints the total stock volume in the ticker table

ws.Range("L" & Ticker\_Table).Value = Total\_Stock\_Volume

'add one to the ticker table row

Ticker\_Table = Ticker\_Table + 1

'loops to the first row of the next ticker to pull the open amount to find the yearly change

‘source 1 used here

OpenStart = ws.Cells(i + 1, 3)

'resets the total stock volume

Total\_Stock\_Volume = 0

'

Else

'add to the total stock volume

Total\_Stock\_Volume = Total\_Stock\_Volume + ws.Cells(i, 7).Value

End If

Next i

'this grabs the last row in the new table where we need to color code

'source 1 used here (tried using lastrow but color went all the way down to the row at the end of the original data

lastrow2 = ws.Cells(Rows.Count, 10).End(xlUp).Row

'color codes the the yearly change with red for negative and green for positive

For i = 2 To lastrow2

If ws.Cells(i, 10).Value > 0 Then

ws.Cells(i, 10).Interior.ColorIndex = 4

Else

ws.Cells(i, 10).Interior.ColorIndex = 3

End If

'set headers and labels for the table to show the Greatest % increase, Greatest % decrease, and Greatest total volume (second table)

ws.Range("O2") = "Greatest % Increase"

ws.Range("O3") = "Greatest % Decrease"

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

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

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

'loops through the percent change to find the greatest change and add the table

'source 2 used here (application.worksheetfunction.max)

If ws.Cells(i, 11).Value = Application.WorksheetFunction.Max(ws.Range("K:K")) Then

ws.Cells(2, 16).Value = ws.Cells(i, 9).Value

ws.Cells(2, 17).Value = ws.Cells(i, 11).Value

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

'loops through the percent change to find the lowest change

'source 2 used here (application.worksheetfunction.max)

ElseIf ws.Cells(i, 11).Value = Application.WorksheetFunction.Min(ws.Range("K:K")) Then

ws.Cells(3, 16).Value = ws.Cells(i, 9).Value

ws.Cells(3, 17).Value = ws.Cells(i, 11).Value

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

'loops through the total stock volume to find the greatest volume

'source 2 used here (application.worksheetfunction.max)

ElseIf ws.Cells(i, 12).Value = Application.WorksheetFunction.Max(ws.Range("L:L")) Then

ws.Cells(4, 16).Value = ws.Cells(i, 9).Value

ws.Cells(4, 17).Value = ws.Cells(i, 12).Value

End If

Next i

Next ws

End Sub