Sub TickerData()

' combine work sheet

For Each ws In Worksheets

'Define variables

Dim totalVolume As Double

Dim summaryTableRow As Integer

Dim yearlyChange As Double

Dim PercentChange As Double

Dim YearlyClose As Double

Dim Ticker As String

Dim maxPercentIncrease As Double

Dim maxTicker As String

Dim maxPercentDecrease As Double

Dim maxVolume As Double

maxPercentDecrease = 1E+20 'a very large positive value

maxVolume = 0 'a very low value

'Initialize variables

totalVolume = 0

summaryTableRow = 2

YearlyOpen = 0

Start = 2

maxPercentIncrease = 0

'Set tittle

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("N3").Value = "Greatest%increase"

ws.Range("N4").Value = "Greatest%Decrease"

ws.Range("N5").Value = "Greatest Total Volume"

ws.Range("O2").Value = "Ticker"

ws.Range("P2").Value = "Value"

' Get total number of rows

LastRow = Cells(Rows.Count, "A").End(xlUp).Row

' yearlyOpen = Cells(2 , 3).Value

' Loop over the data in the sheet

For i = 2 To LastRow

' Check if the ticker changes

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

' Get ticker symbol

Ticker = Cells(i, 1).Value

' Adding the final volume to the total

totalVolume = totalVolume + Cells(i, 7).Value

'Calculate change

YearlyOpen = Cells(Start, 3).Value

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

yearlyChange = YearlyClose - YearlyOpen

If YearlyOpen <> 0 Then

PercentChange = yearlyChange / YearlyOpen

ws.Range("K" & 2 + j).NumberFormat = "0.00%"

End If

'Apply color formatting to the Yearly Change column

If yearlyChange < 0 Then

ws.Cells(summaryTableRow, 10).Interior.ColorIndex = 3 'Red color

ElseIf yearlyChange > 0 Then

ws.Cells(summaryTableRow, 10).Interior.ColorIndex = 4 'Green color

Else

ws.Cells(summaryTableRow, 10).Interior.ColorIndex = 0 'No color

End If

'Find max percent increase

If PercentChange > maxPercentIncrease Then

maxPercentIncrease = PercentChange

maxTicker = Ticker

End If

'Output greatest percent increase

ws.Range("O3").Value = maxTicker

ws.Range("P3").Value = maxPercentIncrease

'Calculate percent decrease

If YearlyOpen <> 0 Then

PercentChange = yearlyChange / YearlyOpen

If PercentChange < 0 And PercentChange < maxPercentDecrease Then

maxPercentDecrease = PercentChange

ws.Range("O4").Value = Ticker

ws.Range("P4").Value = PercentChange

End If

'Find max volume

If totalVolume > maxVolume Then

maxVolume = totalVolume

ws.Range("O5").Value = Ticker

ws.Range("P5").Value = maxVolume

End If

End If

Start = i + 1

'Output to summary table

ws.Cells(summaryTableRow, 9).Value = Ticker

ws.Cells(summaryTableRow, 12).Value = totalVolume

ws.Cells(summaryTableRow, 10).Value = yearlyChange

ws.Cells(summaryTableRow, 11).Value = PercentChange

'Reset variables

summaryTableRow = summaryTableRow + 1

totalVolume = 0

yearlyChange = 0

PercentChange = 0

YearlyOpen = 0

' If ticker doesn't change, do this

Else

' Summing the volume

totalVolume = totalVolume + ws.Cells(i, 7).Value

End If

Next i