Sub Stock\_Market():

'Declare ticker summary table variables

Dim ws As Worksheet

Dim ticker As String

Dim stock\_volume As Double

Dim ticker\_column\_row As String

'Yealy change variables

Dim year\_change As Double

Dim year\_change\_start As Double

Dim year\_change\_end As Double

'Percent change variable

Dim percent\_change As Double

'Values to find the final rows for columns A, J and K

Dim finalrow As Double

Dim finalchange As Double

'run through each worksheet and find final rows

For Each ws In ThisWorkbook.Worksheets

finalrow = ws.Range("A" & ws.Rows.Count).End(xlUp).Row

finalchange = ws.Range("J" & ws.Rows.Count).End(xlUp).Row

'Declare bonus values and set to 0 so they are cleared out before the next worksheet

Dim greatest\_increase As Double

greatest\_increase = 0

Dim greatest\_decrease As Double

greatest\_decrease = 0

Dim greatest\_volume As Double

greatest\_volume = 0

'Set column headers for each worksheet

ws.Cells(1, 8).Value = "Ticker"

ws.Cells(1, 9).Value = "Year Change"

ws.Cells(1, 10).Value = "Percent Change"

ws.Cells(1, 11).Value = "Total Stock Volume"

ws.Cells(1, 13).Value = "Greatest % Increase"

ws.Cells(2, 13).Value = "Greatest % Decrease"

ws.Cells(3, 13).Value = "Greatest Total Volume"

'set year column format to percentage

ws.Columns("J").NumberFormat = "0.00%"

ws.Cells(1, 14).NumberFormat = "0.00%"

ws.Cells(2, 14).NumberFormat = "0.00%"

ws.Cells(3, 14).NumberFormat = "General"

'Set-up variables to be inserted into columns

ticker\_column\_row = 2

'Loop through all tickers

For i = 2 To finalrow

'Capture the first value in open column to compare to last in close column

If i = 2 Then

year\_change\_start = ws.Cells(i, 3).Value

End If

'Check if still counting same ticker, it not sum the values and add to columns

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

'Grab the last close value before the new ticker

year\_change\_end = ws.Cells(i, 6).Value

'Add ticker to Ticker column

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

'Calc yearly change

year\_change = year\_change\_end - year\_change\_start

'Calc percent change and remove Overflow issue by not including values where the demoninator is 0

If year\_change\_start = 0# Then

percent\_change = 0

Else

percent\_change = (year\_change / year\_change\_start)

End If

'If percent change is greater than the value in the greatest increase, then replace with new value

If percent\_change > greatest\_increase Then

greatest\_increase = percent\_change

End If

'If percent change is less than the value in the greatest decrease, then replace with new value

If percent\_change < greatest\_decrease Then

greatest\_decrease = percent\_change

End If

'Add to stock volume

stock\_volume = stock\_volume + ws.Cells(i, 7).Value

'If stock volume is greater than the greatest volume, capture the new value

If stock\_volume > greatest\_volume Then

greatest\_volume = stock\_volume

End If

'Print ticker name in Ticker Column

ws.Range("H" & ticker\_column\_row).Value = ticker

'Print year change

ws.Range("I" & ticker\_column\_row).Value = year\_change

'print percent change

ws.Range("J" & ticker\_column\_row).Value = percent\_change

'Print the Stock Volume to the Volume Column

ws.Range("K" & ticker\_column\_row).Value = stock\_volume

'Add one to the ticker summary

ticker\_column\_row = ticker\_column\_row + 1

'Save year change start for next ticker

year\_change\_start = ws.Cells(i + 1, 3).Value

'Reset the stock volume to 0

stock\_volume = 0

'If the cell following the prior is the same, keep counting

Else

'Add to the stock volume

stock\_volume = stock\_volume + ws.Cells(i, 7).Value

End If

'Go to next row in ticker summary

Next i

'Loop to apply conditional formatting

For K = 2 To finalchange

If ws.Cells(K, 10) >= 0 Then

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

Else

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

End If

Next K

'Write greatest increase, decrease and volume to worksheet before going to the next one

ws.Cells(1, 14).Value = greatest\_increase

ws.Cells(2, 14).Value = greatest\_decrease

ws.Cells(3, 14).Value = greatest\_volume

'move to next worksheet

Next ws

End Sub