Sub Stock()

Const INPUT\_TICKER\_COL As Integer = 1

Const INPUT\_VOLUME\_COL As Integer = 7

Const FIRST\_DATA\_ROW As Integer = 2

Const OPEN\_PRICE\_COL As Integer = 3

Const CLOSE\_PRICE\_COL As Integer = 6

Dim LastRow As Double

Dim Ticker As String

Dim CurrentStockTotal\_Volume As LongLong

Dim Change As Double

Dim outputRow As Long

Dim greatestTotalVolume As LongLong

Dim greatestTotalVolumeTicker As String

Dim ws As Worksheet

Dim inputRow As Long

Dim openingPrice As Double

Dim closingPrice As Double

Dim percentChange As Double

Dim greatestIncrease As Double

Dim greatestDecrease As Double

Dim greatestIncreaseTicker As String

Dim greatestDecreaseTicker As String

Dim currentPercentChange As Double

For Each ws In Worksheets

ws.Cells(2, 14).Value = "Greatest % Increase"

ws.Cells(3, 14).Value = "Greatest % Decrease"

ws.Cells(4, 14).Value = "Greatest Total Volume"

ws.Cells(1, 15).Value = "Ticker"

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

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

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

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

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

greatestTotalVolume = 0

CurrentStockTotal\_Volume = 0

greatestIncrease = 0

greatestDecrease = 0

openingPrice = ws.Cells(FIRST\_DATA\_ROW, OPEN\_PRICE\_COL).Value

outputRow = FIRST\_DATA\_ROW

LastRow = ws.Cells(Rows.Count, INPUT\_TICKER\_COL).End(xlUp).Row

For inputRow = FIRST\_DATA\_ROW To LastRow

CurrentStockTotal\_Volume = CurrentStockTotal\_Volume + ws.Cells(inputRow, INPUT\_VOLUME\_COL).Value

If ws.Cells(inputRow + 1, INPUT\_TICKER\_COL).Value <> ws.Cells(inputRow, INPUT\_TICKER\_COL).Value Then

'' Finalize current stock

' Calculations for current stock

Ticker = ws.Cells(inputRow, INPUT\_TICKER\_COL).Value

closingPrice = ws.Cells(inputRow, CLOSE\_PRICE\_COL).Value

Change = closingPrice - openingPrice

percentChange = Change / openingPrice

' Overall comparison

If CurrentStockTotal\_Volume > greatestTotalVolume Then

greatestTotalVolume = CurrentStockTotal\_Volume

greatestTotalVolumeTicker = Ticker

End If

If percentChange > greatestIncrease Then

greatestIncrease = percentChange

greatestIncreaseTicker = Ticker

End If

If percentChange < greatestDecrease Then

greatestDecrease = percentChange

greatestDecreaseTicker = Ticker

End If

' Current stock output

ws.Range("I" & outputRow).Value = Ticker

ws.Range("L" & outputRow).Value = CurrentStockTotal\_Volume

ws.Range("J" & outputRow).Value = Change

If Change >= 0 Then

ws.Range("J" & outputRow).Interior.ColorIndex = 4

Else

ws.Range("J" & outputRow).Interior.ColorIndex = 3

End If

ws.Range("K" & outputRow).Value = percentChange

ws.Range("K" & outputRow).Value = FormatPercent(ws.Range("K" & outputRow).Value)

If percentChange >= 0 Then

ws.Range("K" & outputRow).Interior.ColorIndex = 4

Else

ws.Range("K" & outputRow).Interior.ColorIndex = 3

End If

'' Set up for next stock

openingPrice = ws.Cells(inputRow + 1, OPEN\_PRICE\_COL).Value

outputRow = outputRow + 1

CurrentStockTotal\_Volume = 0

End If

Next inputRow

ws.Cells(4, 15).Value = greatestTotalVolumeTicker

ws.Cells(4, 16).Value = greatestTotalVolume

ws.Cells(2, 15).Value = greatestIncreaseTicker

ws.Cells(2, 16).Value = greatestIncrease

ws.Cells(2, 16).Value = FormatPercent(ws.Cells(2, 16).Value)

ws.Cells(3, 15).Value = greatestDecreaseTicker

ws.Cells(3, 16).Value = greatestDecrease

ws.Cells(3, 16).Value = FormatPercent(ws.Cells(3, 16).Value)

Next ws

MsgBox ("Done")

End Sub