Option Explicit

Sub StockMarket()

'Run through each worksheet

Dim ws As Worksheet

For Each ws In Worksheets

ws.Activate

'Variable for holding the ticker name, the column of interest

Dim tickername As String

'Variable for holding a total count on the total volume of trade

Dim tickervolume As Double

tickervolume = 0

'Keep track of the location for each ticker name in the summary table

Dim summary\_ticker\_row As Integer

summary\_ticker\_row = 2

Dim open\_price As Double

open\_price = Cells(2, 3).Value

Dim close\_price As Double

Dim yearly\_change As Double

Dim percent\_change As Double

Dim LastRow As Long

Dim i As Long

Dim lastrow\_summary\_table As Integer

lastrow\_summary\_table = 0

'Summary Table headers

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

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

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

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

'Count the number of rows in the first column.

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

'Loop through the rows by the ticker names

For i = 2 To LastRow

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

'Set the ticker name

tickername = Cells(i, 1).Value

'Add the volume of trade

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

'Ticker name in the summary table

Range("I" & summary\_ticker\_row).Value = tickername

'Trade volume for each ticker in the summary table

Range("L" & summary\_ticker\_row).Value = tickervolume

'Closing Price

close\_price = Cells(i, 6).Value

'Calculate yearly change

yearly\_change = (close\_price - open\_price)

'Print the yearly change for each ticker in the summary table

Range("J" & summary\_ticker\_row).Value = yearly\_change

'Check for the non-divisibilty condition when calculating the percent change

If (open\_price = 0) Then

percent\_change = 0

Else

percent\_change = yearly\_change / open\_price

End If

'Print the yearly change for each ticker in the summary table

Range("K" & summary\_ticker\_row).Value = percent\_change

Range("K" & summary\_ticker\_row).NumberFormat = "0.00%"

'Reset the row counter. Add one to the summary\_ticker\_row

summary\_ticker\_row = summary\_ticker\_row + 1

'Reset volume of trade to zero

tickervolume = 0

'Reset the opening price

open\_price = Cells(i + 1, 3)

Else

'Add the volume of trade

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

End If

Next i

lastrow\_summary\_table = Cells(Rows.Count, 9).End(xlUp).Row

'Color code yearly change

For i = 2 To lastrow\_summary\_table

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

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

Else

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

End If

Next i

Cells(2, 15).Value = "Greatest % Increase"

Cells(3, 15).Value = "Greatest % Decrease"

Cells(4, 15).Value = "Greatest Total Volume"

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

Cells(1, 17).Value = "Value"

For i = 2 To lastrow\_summary\_table

'Find the maximum percent change

If Cells(i, 11).Value = Application.WorksheetFunction.Max(Range("K2:K" & lastrow\_summary\_table)) Then

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

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

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

'Find the minimum percent change

ElseIf Cells(i, 11).Value = Application.WorksheetFunction.Min(Range("K2:K" & lastrow\_summary\_table)) Then

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

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

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

'Find the maximum volume of trade

ElseIf Cells(i, 12).Value = Application.WorksheetFunction.Max(Range("L2:L" & lastrow\_summary\_table)) Then

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

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

End If

Next i

Next ws

MsgBox "Done"

End Sub