Sub StockDataAnalysis()

' Loop through all worksheets

Dim ws As Worksheet

For Each ws In ActiveWorkbook.Worksheets

ws.Activate

'-------------------------------------------------------------

' Create Variable

Dim TickerSymbol As String

Dim OpenPrice As Double

Dim ClosePrice As Double

Dim YearlyChange As Double

Dim PercentChange As Double

Dim TotalStockVolumel As Long

' Set initial values

TotalStockVolume = 0

OpenPrice = Cells(2, "C").Value

' Set Heading

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

Cells(1, "J").Value = "Yearly Change"

Cells(1, "K").Value = "Percent Change"

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

' Find the last row of each worksheet

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

' Loop through rows in the column

Dim i, row As Integer

row = 2

For i = row To LastRow

' Search for when the value of the next cell is different than that of the current cell

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

' Get Ticker Symbol name

TickerSymbol = Cells(i, "A").Value

Cells(row, "I").Value = TickerSymbol

' Get Close Price

ClosePrice = Cells(i, "F").Value

' Get Yearly Change

YearlyChange = ClosePrice - OpenPrice

Cells(row, "J").Value = YearlyChange

' Get Percent Change

If (OpenPrice = 0 And ClosePrice = 0) Then

PercentChange = 0

ElseIf (OpenPrice = 0 And ClosePrice <> 0) Then

Cells(row, "K").Value = "N/A"

Else

PercentChange = YearlyChange / OpenPrice

Cells(row, "K").Value = PercentChange

Cells(row, "K").NumberFormat = "0.00%"

End If

' Add up Total Stock Volume value

TotalStockVolume = TotalStockVolume + Cells(i, "G").Value

Cells(row, "L").Value = TotalStockVolume

row = row + 1

' Reset Open Price

OpenPrice = Cells(i + 1, "C").Value

' Reset Total Stock Volume

TotalStockVolume = 0

Else

TotalStockVolume = TotalStockVolume + Cells(i, "G").Value

End If

Next i

'-------------------------------------------------------------

' Conditional formatting of Yearly Change column

' Find the last row of Yearly Change column in each worksheet

YearlyChangeLastRow = ws.Cells(Rows.Count, "J").End(xlUp).row

For j = 2 To YearlyChangeLastRow

If Cells(j, "J").Value > 0 Then

Cells(j, "J").Interior.ColorIndex = 10

ElseIf Cells(j, "J").Value < 0 Then

Cells(j, "J").Interior.ColorIndex = 3

End If

Next j

'-------------------------------------------------------------

' Get "Greatest % increase", "Greatest % Decrease" and "Greatest total volume"

Dim MaxIncrease As Double, Row\_MaxIncrease As Integer

Dim MaxDecrease As Double, Row\_MaxDecrease As Integer

Dim MaxTotalVolume As Double, Row\_MaxTotalVolume As Integer

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

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

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

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

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

MaxIncrease = WorksheetFunction.Max(Range("K2:K" & YearlyChangeLastRow))

Row\_MaxIncrease = WorksheetFunction.Match(MaxIncrease, ws.Range("K2:K" & YearlyChangeLastRow), 0)

Cells(2, "O").Value = Cells(Row\_MaxIncrease + 1, "I").Value ' Match function doesn't count headers, so need to +1

Cells(2, "P").Value = MaxIncrease

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

MaxDecrease = WorksheetFunction.Min(Range("K2:K" & YearlyChangeLastRow))

Row\_MaxDecrease = WorksheetFunction.Match(MaxDecrease, ws.Range("K2:K" & YearlyChangeLastRow), 0)

Cells(3, "O").Value = Cells(Row\_MaxDecrease + 1, "I").Value ' Match function doesn't count headers, so need to +1

Cells(3, "P").Value = MaxDecrease

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

MaxTotalVolume = WorksheetFunction.Max(Range("L2:L" & YearlyChangeLastRow))

Row\_MaxTotalVolume = WorksheetFunction.Match(MaxTotalVolume, ws.Range("L2:L" & YearlyChangeLastRow), 0)

Cells(4, "O").Value = Cells(Row\_MaxTotalVolume + 1, "I").Value ' Match function doesn't count headers, so need to +1

Cells(4, "P").Value = MaxTotalVolume

Next ws

End Sub