Sub StockAnalysis()

'This program will loop through all available sheets to show:

'Yearly change from what the stock opened the year at to what the closing price was.

'The % change from where the stock opened at to where it closed.

'The total volume of stock

'The ticker symbol

'The stock with the greatest % increase

'The stock with the greatest % decrease

'The stock with the greatest total volume

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

Dim ws As Worksheet

For Each ws In ActiveWorkbook.Worksheets

ws.Activate

' Determine the Last Row

lastrow = ws.Cells(Rows.Count, 1).End(xlUp).row

'Create data column and total headers

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

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

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

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

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

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

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

Cells(1, column + 15).Value = "Ticker"

Cells(1, column + 16).Value = "Value"

'Create Variables to hold Values.

Dim openprice As Double

Dim closeprice As Double

Dim yearlychange As Double

Dim tickername As String

Dim percentchange As Double

Dim volume As Double

Dim row As Double

Dim column1 As Integer

Dim i As Variant

'Set starting values.

volume = 0

row = 2

column = 1

openprice = Cells(2, column + 2).Value

'Loop through ticker symbols.

For i = 2 To lastrow

'Compare tickers to see f they have the same value.

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

' Set ticker name, close price, yearly change, percent change.

tickername = Cells(i, column).Value

Cells(row, column + 8).Value = tickername

closeprice = Cells(i, column + 5).Value

yearlychange = closeprice - openprice

Cells(row, column + 9).Value = yearlychange

' Fix percentage change for year 1 to avoid errors.

If (openprice = 0 And closeprice = 0) Then

percentchange = 0

ElseIf (openprice = 0 And closeprice <> 0) Then

percentchange = 1

Else

percentchange = yearlychange / openprice

Cells(row, column + 10).Value = percentchange

Cells(row, column + 10).NumberFormat = "0.00%"

End If

' Add Total Volume, add to totals, reset open price and total volume values to 0

volume = volume + Cells(i, column + 6).Value

Cells(row, column + 11).Value = volume

row = row + 1

Open\_Price = Cells(i + 1, column + 2)

volume = 0

'If ticker values are same

Else

volume = volume + Cells(i, column + 6).Value

End If

Next i

' Determine yearly change last row.

ypclastrow = ws.Cells(Rows.Count, column + 8).End(xlUp).row

' Set cell colors.

For j = 2 To ypclastrow

If (Cells(j, column + 9).Value > 0 Or Cells(j, column + 9).Value = 0) Then

Cells(j, column + 9).Interior.ColorIndex = 10

ElseIf Cells(j, column + 9).Value < 0 Then

Cells(j, column + 9).Interior.ColorIndex = 3

End If

Next j

' Loop through rows to find the greatest value and ticker.

For Z = 2 To YCLastRow

If Cells(Z, column + 10).Value = Application.WorksheetFunction.Max(ws.Range("K2:K" & YCLastRow)) Then

Cells(2, column + 15).Value = Cells(Z, column + 8).Value

Cells(2, column + 16).Value = Cells(Z, column + 10).Value

Cells(2, column + 16).NumberFormat = "0.00%"

ElseIf Cells(Z, column + 10).Value = Application.WorksheetFunction.Min(ws.Range("K2:K" & YCLastRow)) Then

Cells(3, column + 15).Value = Cells(Z, column + 8).Value

Cells(3, column + 16).Value = Cells(Z, column + 10).Value

Cells(3, column + 16).NumberFormat = "0.00%"

ElseIf Cells(Z, column + 11).Value = Application.WorksheetFunction.Max(ws.Range("L2:L" & YCLastRow)) Then

Cells(4, column + 15).Value = Cells(Z, column + 8).Value

Cells(4, column + 16).Value = Cells(Z, column + 11).Value

End If

Next Z

Next ws

End Sub