Sub stockanalysis()

'setting up variable

'Dim lastrow As Long

Dim m, n As Integer

Dim volume As Long

Dim maxpercent, minpercent, maxv As Double

Dim lastrowticker, lastrow As Long

v = 0

m = 2

'creating a new sheets

'Sheets.Add.Name = "Combined\_Results"

'Move the sheet to the right

'Sheets("Combined\_Results").Move Before:=Sheets(1)

'Set combined\_sheet = Worksheets("Combined\_Results")

' loop throu each sheet

For Each ws In Worksheets

maxpercent = 0

minpercent = 0

maxv = 0

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"

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

'Loop to identify individual tickers in each sheet and place under 9th column and place the close price in column 11 and volume in 12

For i = 2 To lastrow

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

v = v + ws.Cells(i, 7).Value

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

ws.Cells(m, 9).Value = ws.Cells(i, 1).Value

ws.Cells(m, 11).Value = ws.Cells(i, 6).Value

v = v + ws.Cells(i, 7).Value

ws.Cells(m, 12).Value = v

m = m + 1

v = 0

End If

Next i

m = 2

lastrowticker = ws.Cells(Rows.Count, 9).End(xlUp).Row

n = lastrowticker

MsgBox (lastrowticker)

'Loop to find open

For i = lastrow To 2 Step -1

If ws.Cells(i, 1).Value <> ws.Cells(i - 1, 1).Value And ws.Cells(i, 3).Value <> 0 Then

ws.Cells(n, 10).Value = ws.Cells(i, 3).Value

n = n - 1

ElseIf ws.Cells(i, 3).Value = 0 And ws.Cells(i, 1).Value <> ws.Cells(i - 1, 1).Value Then

j = i

Do While (ws.Cells(j, 3).Value = 0 And ws.Cells(j, 1).Value = ws.Cells(j + 1, 1).Value)

ws.Cells(n, 10).Value = ws.Cells(j + 1, 3).Value

j = j + 1

Loop

n = n - 1

ElseIf ws.Cells(n, 10).Value = "" Then

ws.Cells(n, 10).Value = 0

n = n - 1

End If

Next i

'Loop to calculate the total difference & percent of difference in open and close

For i = 2 To lastrowticker

difference = ws.Cells(i, 11).Value - ws.Cells(i, 10).Value

If ws.Cells(i, 10).Value = 0 Then

Percent = 0

Else

Percent = (ws.Cells(i, 11).Value - ws.Cells(i, 10).Value) / ws.Cells(i, 10).Value

End If

ws.Cells(i, 10).Value = difference

ws.Cells(i, 11).Value = Percent

ws.Range("k" & i).NumberFormat = "0.00%"

If difference < 0 Then

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

Else

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

End If

Next i

'find the max and min percent and greatest volume

For i = 2 To lastrowticker

If maxpercent < ws.Cells(i, 11).Value Then

maxpercent = ws.Cells(i, 11).Value

maxticker = ws.Cells(i, 9).Value

End If

If minpercent > ws.Cells(i, 11).Value Then

minpercent = ws.Cells(i, 11).Value

minticker = ws.Cells(i, 9).Value

End If

If maxv < ws.Cells(i, 12).Value Then

maxv = ws.Cells(i, 12).Value

maxvolume = ws.Cells(i, 9).Value

End If

Next i

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

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

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

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

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

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

ws.Cells(2, 17).Value = maxpercent

ws.Cells(3, 17).Value = minpercent

ws.Cells(4, 17).Value = maxv

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

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

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

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

ws.Columns("A:Q").AutoFit

Next ws

End Sub