Sub stockCalc()

'Fixed an iteration error at j\_a

'Added a way to apply to all sheets.

Dim ws As Worksheet

For Each ws In Sheets

ws.Activate

'Find the last piece of data in a column

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

'MsgBox (tickerLastRow)

'Find the last cell in row 1

dataLastColumn = Cells(1, Columns.Count).End(xlToLeft).Column

'MsgBox (dataLastColumn)

'Set headers

Cells(1, dataLastColumn + 2) = "Ticker"

Cells(1, dataLastColumn + 3) = "Yearly Change"

Cells(1, dataLastColumn + 4) = "Percent Change"

Cells(1, dataLastColumn + 5) = "Total Stock Volume"

Cells(1, dataLastColumn + 9) = "Ticker"

Cells(1, dataLastColumn + 10) = "Value"

'Set variables for the iteration

Dim i As Long

Dim j As Long

Dim j\_a As Long

'Setting up for the hard part

Dim yearBiggest As Double

yearBiggest = 0

Dim yearSmallest As Double

yearSmallest = 0

Dim biggestVolume As Double

biggestVolume = 0

j\_a = 2

'Are you kidding me?

Dim totalVol As Double

'You'll need this i later to go down in the sheet when the macro outputs

i = 0

For j = 2 To tickerLastRow

While Cells(j, 1) = Cells(j + 1, 1)

totalVol = totalVol + Cells(j, dataLastColumn)

j = j + 1

Wend

If Cells(j, 1) <> Cells(j + 1, 1) Then

'Show ticker difference: MsgBox (Cells((j + 1), 1))

totalVol = totalVol + (Cells(j, dataLastColumn))

'MsgBox (Cells(j, 1))

'MsgBox (totalVol)

'To check sums MsgBox (totalVol)

Cells(2 + i, dataLastColumn + 5) = totalVol

'To label the Stock Ticker

Cells(2 + i, dataLastColumn + 2) = Cells(j, 1)

'MsgBox (Cells(j, 1))

'For Yearly Change, msgbox to see what is sub

'MsgBox (Cells(j\_a, 3))

'MsgBox (Cells(j, 6))

If (Cells(j, 6) < Cells(j\_a, 3)) Then

Cells(2 + i, dataLastColumn + 3) = Abs(Cells(j, 6) - Cells(j\_a, 3)) \* (-1)

'For Percent Change, if condition to prevent division by zero (stock is worthless)

If Cells(j\_a, 3) = 0 Then

Cells(2 + i, dataLastColumn + 4) = 0

Else:

Cells(2 + i, dataLastColumn + 4) = FormatPercent(Cells(2 + i, dataLastColumn + 3) / Cells(j\_a, 3), 2, vbTrue, vbTrue)

End If

If yearSmallest > Cells(2 + i, dataLastColumn + 3) Then

yearSmallest = Cells(2 + i, dataLastColumn + 3)

'Print the ticker

Cells(3, dataLastColumn + 9) = Cells(2 + i, dataLastColumn + 2)

'Find the largest percentage

Cells(3, dataLastColumn + 10) = Cells(2 + i, dataLastColumn + 4)

End If

Else: Cells(2 + i, dataLastColumn + 3) = Cells(j, 6) - Cells(j\_a, 3)

'For Percent Change, if condition to prevent division by zero (stock is worthless)

'You need this in both the outer if/else for the calculation to work as the values are generated.

If Cells(j\_a, 3) = 0 Then

Cells(2 + i, dataLastColumn + 4) = 0

Else:

Cells(2 + i, dataLastColumn + 4) = FormatPercent(Cells(2 + i, dataLastColumn + 3) / Cells(j\_a, 3), 2, vbTrue, vbTrue)

End If

If yearBiggest < Cells(2 + i, dataLastColumn + 3) Then

yearBiggest = Cells(2 + i, dataLastColumn + 3)

'MsgBox (Cells(2 + i, dataLastColumn + 4))

'Print the ticker

Cells(2, dataLastColumn + 9) = Cells(2 + i, dataLastColumn + 2)

'Find the largest percentage

Cells(2, dataLastColumn + 10) = Cells(2 + i, dataLastColumn + 4)

End If

End If

'To indicate color

If Cells(2 + i, dataLastColumn + 3) > 0 Then

Cells(2 + i, dataLastColumn + 3).Interior.ColorIndex = 4

Else: Cells(2 + i, dataLastColumn + 3).Interior.ColorIndex = 3

End If

'To change the j\_a with the ticker, you need to increment j\_a.

j\_a = j + 1

i = i + 1

'To find the biggest volume

If biggestVolume < totalVol Then

Cells(4, dataLastColumn + 9) = Cells(j, 1)

biggestVolume = totalVol

Cells(4, dataLastColumn + 10) = biggestVolume

End If

totalVol = 0

End If

Next j

Cells(2, dataLastColumn + 8) = "Greatest % Increase"

Cells(3, dataLastColumn + 8) = "Greatest % Decrease"

Cells(4, dataLastColumn + 8) = "Greatest Total Volume"

Cells(2, dataLastColumn + 10) = Format(Cells(2, dataLastColumn + 10), "Percent")

Cells(3, dataLastColumn + 10) = FormatPercent(Cells(3, dataLastColumn + 10), 2, vbTrue, vbTrue)

'AutoFit All Columns on Worksheet

ws.Cells.EntireColumn.AutoFit

MsgBox ("Function applied to: " + ws.Name)

Next ws

End Sub

Sub clearResults()

For Each ws In Sheets

ws.Activate

Dim lastRow As Long

Dim dataLastColumn As Long

dataLastColumn = Cells(1, 1).End(xlToRight).Column

'MsgBox (dataLastColumn) check if output is expected

lastRow = Cells(Rows.Count, dataLastColumn + 2).End(xlUp).Row

'MsgBox (lastRow) check output

Range(Cells(1, dataLastColumn + 2), Cells(lastRow, dataLastColumn + 10)).Clear

Next ws

MsgBox ("All Worksheets Reset")

End Sub