Sub Stock1()

Dim Ticker As String

Dim OpenPrice As Currency

Dim CurrentRow As Long

Dim TradeDate As Long

Dim ClosePrice As Currency

Dim DailyLow As Double

Dim DailyHigh As Double

Dim TradeVol As Double

Dim YoYChange As Currency

Dim YoYPercentage As Double

Dim LastRow As Long

Dim FirstDay As Long

Dim LastDay As Long

Dim ReportRow As Long

Dim NextTicker As String

Dim FirstPrice As Currency

Dim LastPrice As Currency

'Add headings and formats for output columns j-m

Cells(1, 10).Value = "Ticker"

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

Cells(1, 12).Value = "Percent Change"

Cells(1, 13).Value = "Total Volume"

Range("j1:M1").Font.Bold = True

Range("j1:M1").Interior.ColorIndex = 15

Range("J:m").EntireColumn.AutoFit

'start the reporting loop at row two - this will be incremented for adding data to the report row

ReportRow = 2

'Figure out the LastRow of populated data so you can limit run time of loop.

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

'Setting up first and last days for grabbing yearly open and close.

FirstDay = 20160101

LastDay = 20161230

For CurrentRow = 2 To LastRow

'Set up variables to compare the ticker symbols and start a new tally when the symbol changes

Ticker = Cells(CurrentRow, 1).Value

NextTicker = Cells(CurrentRow + 1, 1).Value

'use trade date to get the yearly open and close

TradeDate = Cells(CurrentRow, 2).Value

If Ticker = NextTicker Then

'Conditional Check for Jan 1st

If TradeDate = FirstDay Then

FirstPrice = Cells(CurrentRow, 3).Value

'Debug.Print ("firstprice is " & FirstPrice)

End If

TradeVol = TradeVol + Cells(CurrentRow, 7).Value

'Debug.Print ("TradeVol = " & TradeVol & " Ticker is " & NextTicker & "CurRow= " & CurrentRow )

Else:

LastPrice = Cells(CurrentRow, 6).Value

YoYChange = LastPrice - FirstPrice

YoYPercentage = YoYChange / FirstPrice

' Debug.Print ("firstprice is " & FirstPrice & "Last " & LastPrice & "yoY " & YoYChange & " % " & YoYPercentage)

TradeVol = TradeVol + Cells(CurrentRow, 7).Value

Cells(ReportRow, 10).Value = Ticker

Cells(ReportRow, 11).Value = YoYChange

'Format Year over Year change to show gains (green) and losses (red)

If YoYChange >= 0 Then

Cells(ReportRow, 11).Interior.ColorIndex = 43

Else

'I did not like the lack of readability of setting the color index to red - 3 So I used bad style

'If you want to change To the default red - uncomment the next line and comment out the Style line

'Cells(ReportRow, 11).Interior.ColorIndex = 3

Cells(ReportRow, 11).Style = "Bad"

End If

Cells(ReportRow, 12).Value = FormatPercent(YoYPercentage)

Cells(ReportRow, 13).Value = TradeVol

'Increment row for reporting the data

ReportRow = ReportRow + 1

'Reset TradeVol to zero for next ticker

TradeVol = 0

End If

'Debug.Print ("A " & Ticker & " c " & OpenPrice & " b " & TradeDate & " D " & DailyHigh & " e " & DailyLow & " f " & TradeVol)

Next

End Sub