Sub theWallStreetVBA()

'Create a script that will loop through all the stocks for one year for each run and take the following information.

'looping through all worksheets

Dim ws As Worksheet

For Each ws In Worksheets

'The ticker symbol.

Dim tickerSym As String

Dim totalVol As Double

Dim yearOpen As Double

Dim yearClose As Double

'summary table row variable

Dim sumofRow As Integer

sumofRow = 2

'print table row varieble:

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

ws.Cells(1, 11).Value = "Total Volume"

ws.Cells(1, 12).Value = "Yearly Cahnge"

ws.Cells(1, 13).Value = "Percent Change"

'Yearly change from opening price at the beginning of a given year to the closing price at the end of that year.

'Find Last row:

Dim lastRow As Double

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

For i = 2 To lastRow

'if no opening, skip

If (ws.Cells(i, 3).Value = 0) Then

'if last cell for a ticker no data, make ticker symbol

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

'set ticker symbol

tSym = ws.Cells(i, 1).Value

End If

'if next cell= this cell, add to total

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

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

'if last cell <> this cell, set yearOpen

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

yearOpen = ws.Cells(i, 3).Value

End If

Else

'set ticker symbol variable

tSym = ws.Cells(i, 1).Value

'The total stock volume of the stock

'add to total volume

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

'set yearClose

yearClose = ws.Cells(i, 6).Value

'print ticker symbol and total volume in summary table

ws.Cells(sumofRow, 10).Value = tSym

ws.Cells(sumofRow, 11).Value = totalVol

'to avoid dividing by zero

If (totalVol > 0) Then

'print yearly change in summary table

'You should also have conditional formatting that will highlight positive change in green and negative change in red.

ws.Cells(sumofRow, 12).Value = yearClose - yearOpen

'change color to green if > 0, else red

If (ws.Cells(sumofRow, 12).Value > 0) Then

ws.Cells(sumofRow, 12).Interior.ColorIndex = 4

Else

ws.Cells(sumofRow, 12).Interior.ColorIndex = 3

End If

'The percent change from opening price at the beginning of a given year to the closing price at the end of that year.

ws.Cells(sumofRow, 13).Value = ws.Cells(sumofRow, 12).Value / yearOpen

Else

'set yearly and % change to zero if no stock data

ws.Cells(sumofRow, 12).Value = 0

ws.Cells(sumofRow, 13).Value = 0

End If

'set cell format to percent

ws.Cells(sumofRow, 13).Style = "percent"

'reset total volume

totalVol = 0

'next summary row

sumofRow = sumofRow + 1

End If

Next i

'auto fit table columns

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

'CHALLENGES

'Your solution will also be able to return the stock with the "Greatest % increase", "Greatest % Decrease" and "Greatest total volume". The solution will look as follows:

'greatest value

'Great Total value

Dim greatTotVol As Double

'table Labales

ws.Cells(2, 15).Value = " Greatest Total Volume"

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

ws.Cells(4, 15).Value = " Greattest % Decrease"

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

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

'Baeseline for gretatest total valume

greatTotVol = 0

''MsgBox(sumofRow)

'offset sumofRow to equal number of ticker symbols

sumofRow = sumofRow - 2

'if cell > greatest total volume, set cell as greatest total volume

For i = 2 To sumofRow

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

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

'print ticker symbol in table

ws.Cells(2, 16).Value = ws.Cells(i, 10).Value

End If

Next i

'print greatest total volume in table

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

'greatest % increase and decrease variables

Dim increasePerc As Double

Dim decreasePerc As Double

'set baseline for greatest & increase and decrease

increasePerc = 0

decreasePerc = 0

For i = 2 To sumofRow

'if cell > greatest % increase, set cell as greatest % increase

If (ws.Cells(i, 13).Value > increasePerc) Then

increasePerc = ws.Cells(i, 13).Value

'print ticker symbol in table

ws.Cells(3, 16) = ws.Cells(i, 10).Value

'if cell < greatest % decrease, set cell as greatest % decrease

ElseIf (ws.Cells(i, 13).Value < decreasePerc) Then

decreasePerc = ws.Cells(i, 13).Value

'print ticker symbol in table

ws.Cells(4, 16).Value = ws.Cells(i, 10).Value

End If

Next i

'print greatest % increase and decrease in table

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

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

'set cell format to percent

ws.Cells(3, 17).Style = "percent"

ws.Cells(4, 17).Style = "percent"

'Bold font for the headers:

ws.Cells(1, 10).Font.Bold = True

ws.Cells(1, 11).Font.Bold = True

ws.Cells(1, 12).Font.Bold = True

ws.Cells(1, 13).Font.Bold = True

ws.Cells(2, 15).Font.Bold = True

ws.Cells(3, 15).Font.Bold = True

ws.Cells(4, 15).Font.Bold = True

ws.Cells(1, 16).Font.Bold = True

ws.Cells(1, 17).Font.Bold = True

Next ws

End Sub