Charles Mazin VBA Homework U of A bootcamp

Sub VBAHWtestwork():

'looping through all worksheets

Dim ws As Worksheet

For Each ws In Worksheets

'labels for ticker, yearly change, percent change, total stock volume

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

ws.Cells(1, "J").Value = "Yearly Change"

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

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

'dim for variables ticker, total volume, year open, year close, summary row, last row

Dim ticker As String

Dim totalVol As Double

Dim yrOpen As Double

Dim yrClose As Double

Dim summaryRow As Integer

Dim lastRow As Double

summaryRow = 2

Dim i As Long

'find last row

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

'set i

For i = 2 To lastRow

'skip row if no opening cost

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

'set ticker symbol if last cell has no data

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

'set ticker symbol variable

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

End If

'find total volume

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

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

'set yr open

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

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

End If

Else

'set ticker symbol variable

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

'add to total volume

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

'set yrClose

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

'print ticker symbol and total volume in summary table

ws.Cells(summaryRow, "I").Value = ticker

ws.Cells(summaryRow, "L").Value = totalVol

'stop dividing by zero

If (totalVol > 0) Then

'print yearly change in summary table

ws.Cells(summaryRow, "J").Value = yrClose - yrOpen

'change color to green if > 0, else red

If (ws.Cells(summaryRow, "J").Value > 0) Then

ws.Cells(summaryRow, "J").Interior.ColorIndex = 4

Else

ws.Cells(summaryRow, "J").Interior.ColorIndex = 3

End If

'print % change in summary table

ws.Cells(summaryRow, "K").Value = ws.Cells(summaryRow, "J").Value / yrOpen

Else

'if no data set yearly and percent change to zero

ws.Cells(summaryRow, "J").Value = 0

ws.Cells(summaryRow, "K").Value = 0

End If

'format cell to percent

ws.Cells(summaryRow, "K").Style = "percent"

'reset total volume

totalVol = 0

'next summary row

summaryRow = summaryRow + 1

End If

Next i

Next ws

End Sub