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HW #2

VBA

Sub Stock()

Dim ticker As String

Dim volume As Double

Dim i As Long

Dim year\_open As Double

Dim year\_close As Double

Dim percent\_change As Double

Dim yearly\_change As Double

Dim LastRow As Long

Dim Summary\_Table\_Row As Integer

Summary\_Table\_Row = 2

YearOpenFlag = False

Year\_open\_price = Cells(2, 3).Value

LastRow = Range("A" & Rows.Count).End(xlUp).Row

volume = 0

Cells(1, 9).Value = "Ticker"

Cells(1, 10).Value = "Yearly Change"

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

Cells(1, 12).Value = "Total Stock Volume"

For i = 2 To LastRow

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

ticker = Cells(i, 1).Value

If Not YearOpenFlag Then

year\_open = Cells(i + 1, 3).Value

If i = 2 Then

year\_open = Cells(2, 3).Value

End If

YearOpenFlag = True

End If

volume = volume + Cells(i, 7).Value

Range("I" & Summary\_Table\_Row).Value = ticker

Range("L" & Summary\_Table\_Row).Value = volume

Summary\_Table\_Row = Summary\_Table\_Row + 1

volume = 0

Else

year\_close = Cells(i + 1, 6).Value

volume = volume + Cells(i, 7).Value

yearly\_change = year\_close - year\_open

Range("J" & Summary\_Table\_Row).Value = yearly\_change

If yearly\_change < 0 Then

Range("J" & Summary\_Table\_Row).Interior.ColorIndex = 3

ElseIf yearly\_change > 0 Then

Range("J" & Summary\_Table\_Row).Interior.ColorIndex = 4

End If

If i = 2 Then

year\_open = Cells(2, 3).Value

End If

If year\_open = 0 Or IsEmpty(year\_open) Then

percent\_change = 0

Else

percent\_change = CDbl(yearly\_change) / CDbl(year\_open)

End If

Range("K" & Summary\_Table\_Row).Value = percent\_change \* 100

YearOpenFlag = False

End If

Next i

End Sub