

Sub stocks():

Dim i As Long ' row number

Dim cell_vol As LongLong ' contents of column G (cell volume)

Dim vol_total As LongLong ' what is going to go in column L

Dim ticker As String ' what is going to go in column I

Dim k As Long ' leaderboard row

Dim ticker_close As Double

Dim ticker_open As Double

Dim price_change As Double

Dim percent_change As Double

Dim lastRow As Long

Dim greatest_percent As Double

Dim lowest_percent As Double

Dim greatest_volume As LongLong

Dim greatest_percent_ticker As String

Dim lowest_percent_ticker As String

Dim greatest_volume_ticker As String

Dim ws As Worksheet

For Each ws In ThisWorkbook.Worksheets

' asked the expert

lastRow = ws.Cells(ws.Rows.Count, 1).End(xlUp).Row ' ask the expert

'Setup

vol_total = 0 ' starts at zero

k = 2

' Set Leaderboard columns

ws.Range("I1").Value = "Ticker"

ws.Range("J1").Value = "Quarterly Change"

ws.Range("K1").Value = "Percent Change"

ws.Range("L1").Value = "Volume"

'write second leaderboard columns

ws.Range("P1").Value = "Ticker"

ws.Range("Q1").Value = "Value"

ws.Range("O2").Value = "Greatest % Increase"

ws.Range("O3").Value = "Greatest % Decrease"

ws.Range("O4").Value = "Greatest Total Volume"

ws.Range("Q2:Q3").NumberFormat = "0.00%"

'assign first ticker

ticker_open = ws.Cells(2, 3).Value ' column C opening price

'Loop rows to lastrow

For i = 2 To lastRow:

cell_vol = ws.Cells(i, 7).Value ' column G is the cell volume

ticker = ws.Cells(i, 1).Value ' column I is the Ticker for the leaderboard

' Check if next row ticker is DIFFERENT, if DIFFERENT, then we need add last row, write out to the leaderboard.

' If the same, then we only need to add to the vol_total.

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

' we have a new ticker

```

vol_total = vol_total + cell_vol ' Column L is total volume

' get the closing price of the ticker
ticker_close = ws.Cells(i, 6).Value ' column F
price_change = ticker_close - ticker_open

'Check if price is zero first
If (ticker_open > 0) Then
    percent_change = (price_change / ticker_open) ' Column K Percent change from open to
close
Else
    percent_change = 0
End If

ws.Cells(k, 9).Value = ticker
ws.Cells(k, 10).Value = price_change
ws.Cells(k, 12).Value = vol_total
ws.Cells(k, 11).Value = percent_change

' Format Quarterly Change - Positive change = Green, Negative change = Red, No change = White
If (price_change > 0) Then
    ws.Cells(k, 10).Interior.ColorIndex = 4 ' Green
ElseIf (price_change < 0) Then
    ws.Cells(k, 10).Interior.ColorIndex = 3 ' Red
Else
    ws.Cells(k, 10).Interior.ColorIndex = 2 ' White
End If

'Format Percent Change column
If (percent_change > 0) Then
    ws.Cells(k, 11).Interior.ColorIndex = 4

```

```
Elseif (percent_change < 0) Then
    ws.Cells(k, 11).Interior.ColorIndex = 3
Else
    ws.Cells(k, 11).Interior.ColorIndex = 2
End If
```

'second leaderboard

```
If ticker = ws.Cells(2, 1).Value Then
    greatest_volume = vol_total
    greatest_percent = percent_change
    lowest_percent = percent_change
```

```
Else
    If vol_total > greatest_volume Then
        greatest_volume = vol_total
        greatest_volume_ticker = ticker
    End If
```

```
If percent_change > greatest_percent Then
    greatest_percent = percent_change
    greatest_percent_ticker = ticker
End If
```

```
If percent_change < lowest_percent Then
    lowest_percent = percent_change
    lowest_percent_ticker = ticker
End If
```

```
End If
```

```
ws.Range("Q2").Value = greatest_percent  
ws.Range("Q3").Value = lowest_percent  
ws.Range("P2").Value = greatest_percent_ticker  
ws.Range("P3").Value = lowest_percent_ticker  
ws.Range("Q4").Value = greatest_volume  
ws.Range("P4").Value = greatest_volume_ticker
```

```
' reset the volume total to zero
```

```
vol_total = 0
```

```
k = k + 1
```

```
ticker_open = ws.Cells(i + 1, 3).Value ' look ahead to get next ticker open
```

```
Else
```

```
' we just add to the total
```

```
vol_total = vol_total + cell_vol
```

```
End If
```

```
Next i
```

```
' Style Leaderboard
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```
ws.Columns("K:K").NumberFormat = "0.00%"
```

```
ws.Columns("I:Q").AutoFit
```

```
Next ws
```

```
End Sub
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