

Sub StockData()

' apply for all worksheets

Dim ws As Worksheet

For Each ws In ThisWorkbook.Sheets

ws.Activate

' identify last row of the table

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

' add in headers

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

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

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

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

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

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

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

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

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

Dim row As Double

Dim column As Integer

Dim ticker As String

Dim openPrice As Double

Dim closePrice As Double

Dim quaterlyChange As Double

Dim percentChange As Double

Dim volume As Double

volume = 0

row = 2

column = 1

' open price

openPrice = Cells(2, column + 2).Value

' set ticker name

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    ticker = Cells(i, column).Value
    Cells(row, column + 8).Value = ticker

    ' loop tickers
For i = 2 To lastRow
    If Cells(i + 1, column).Value <> Cells(i, column).Value Then

        ' quarterly change
        quarterlyChange = closePrice - openPrice
        Cells(row, column + 9).Value = quarterlyChange

        'percent change
        percentChange = quarterlyChange / openPrice
        Cells(row, column + 10).Value = percentChange
        Cells(row, column + 10).NumberFormat = "0.00%"

        ' close price
        closePrice = Cells(i, column + 5).Value

        ' total volume
        volume = volume + Cells(i, column + 6).Value
        Cells(row, column + 11).Value = volume

        ' reset volume for next ticker
        volume = 0

        ' iterate to the next row
        row = row + 1

        ' reset open price to next ticker
        openPrice = Cells(i + 1, column + 2)

    End If
Next i

' identify last row of ticker column
quarterlyChange_lastRow = ws.Cells(Rows.Count, 9).End(xlUp).row

' Cell Colors
For j = 2 To quarterlyChange_lastRow

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    If (Cells(j, 10).Value > 0 Or Cells(j, 10).Value = 0) Then
        Cells(j, 10).Interior.ColorIndex = 4
    Elself Cells(j, 10).Value < 0 Then
        Cells(j, 10).Interior.ColorIndex = 3
    End If
Next j
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    ' highest value of each ticker
    For k = 2 To quarterlyChange_lastRow
        If Cells(k, 11).Value = Application.WorksheetFunction.Max(ws.Range("K2:K"
& quarterlyChange_lastRow)) Then
            Cells(2, 16).Value = Cells(k, 9).Value
            Cells(2, 17).Value = Cells(k, 11).Value
            Cells(2, 17).NumberFormat = "0.00%"
        Elself Cells(k, 11).Value =
Application.WorksheetFunction.Min(ws.Range("K2:K" & quarterlyChange_lastRow))
Then
            Cells(3, 16).Value = Cells(k, 9).Value
            Cells(3, 17).Value = Cells(k, 11).Value
            Cells(3, 17).NumberFormat = "0.00%"

        End If
    Next k
```

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Next ws
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End Sub
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