

Sub stocks()

Dim ws As Worksheet

For Each ws In ThisWorkbook.Worksheets

' init variable to hold the sum

Dim totalVolume As Double

' keep track of row, and stock

Dim stock As String

Dim i As Double

' yearly change

Dim openPrice As Double

Dim closingPrice As Double

Dim yearlyChange As Double

Dim percentChange As Double

Dim IRow As Double

Dim summTableRow As Double

'bonus

Dim j As Double

Dim volTicker As String

Dim maxTick As String

Dim minTick As String

Dim maxVol As Double

Dim maxPerc As Double

Dim minPerc As Double

' init totalVolume

totalVolume = 0

'Find the lastnon-blank cell in column A(1)

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

' keep track of SUMMARY TABLE ROW

summTableRow = 2

openPrice = ws.Cells(2, 3).Value

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

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

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

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

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

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

ws.Cells(2, 15).Value = "Greatest % Increase "

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

ws.Cells(4, 15).Value = "Greatest Total Volume"

' for each row

For i = 2 To IRow

' get the stock of that row

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

' if the stock in the next row is different...

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

' finish the sum by grabbing value from the last row of the group

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

' by definition, this is the last row of stock

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

```

yearlyChange = closingPrice - openPrice
percentChange = yearlyChange / openPrice

' write out to the summary table
ws.Cells(summTableRow, 9).Value = stock
ws.Cells(summTableRow, 10).Value = yearlyChange
ws.Cells(summTableRow, 11).Value = percentChange
ws.Cells(summTableRow, 12).Value = totalVolume

' color formatting
If (yearlyChange > 0) Then
    ws.Cells(summTableRow, 10).Interior.ColorIndex = 4
Else
    ws.Cells(summTableRow, 10).Interior.ColorIndex = 3
End If

' reset the sum for the next credit card (since we know it's different)
totalVolume = 0
summTableRow = summTableRow + 1

' the next row (look ahead) is the first row of the next stock
openPrice = ws.Cells(i + 1, 3).Value

' if the next credit card is the same
Else
    'increment the sum
    totalVolume = totalVolume + ws.Cells(i, 7).Value
End If

Next i

' bonus
maxVol = 0
maxPerc = -9999999
minPerc = 99999999

For j = 2 To summTableRow - 1
    If ws.Cells(j, 12).Value > maxVol Then
        maxVol = ws.Cells(j, 12).Value
        volTicker = ws.Cells(j, 9).Value
    End If

    If ws.Cells(j, 11).Value > maxPerc Then
        maxPerc = ws.Cells(j, 11).Value
        maxTick = ws.Cells(j, 9).Value
    End If

    If ws.Cells(j, 11).Value < minPerc Then
        minPerc = ws.Cells(j, 11).Value
        minTick = ws.Cells(j, 9).Value
    End If
Next j

ws.Range("P2").Value = maxTick
ws.Range("Q2").Value = maxPerc
ws.Range("P3").Value = minTick
ws.Range("Q3").Value = minPerc
ws.Range("P4").Value = volTicker
ws.Range("Q4").Value = maxVol
Next ws
End Sub

```