VBA Challenge

Sub stonks():

Dim ws As Worksheet

Dim total As Double

Dim i As Long

Dim change As Double

Dim j As Integer

Dim start As Long

Dim rowCount As Long

Dim percentChange As Double

Dim days As Integer

Dim dailyChange As Double

Dim averageChange As Double

For Each ws In ThisWorkbook.Worksheets

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

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

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

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

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"

j = 0

total = 0

change = 0

start = 2

rowCount = ws.Cells(Rows.Count, "A").End(xlUp).Row

For i = 2 To rowCount

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

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

If total = 0 Then

ws.Range("I" & 2 + j).Value = ws.Cells(i, 1).Value

ws.Range("J" & 2 + j).Value = 0

ws.Range("K" & 2 + j).Value = "%" & 0

ws.Range("L" & 2 + j).Value = 0

Else

If ws.Cells(start, 3) = 0 Then

For find\_value = start To i

If ws.Cells(find\_value, 3).Value <> 0 Then

start = find\_value

Exit For

End If

Next find\_value

End If

change = (ws.Cells(i, 6) - ws.Cells(start, 3))

percentChange = change / ws.Cells(start, 3)

start = i + 1

ws.Range("I" & 2 + j).Value = ws.Cells(i, 1).Value

ws.Range("J" & 2 + j).Value = change

ws.Range("J" & 2 + j).NumberFormat = "0.00"

ws.Range("K" & 2 + j).Value = percentChange

ws.Range("K" & 2 + j).NumberFormat = "0.00%"

ws.Range("L" & 2 + j).Value = total

Select Case change

Case Is > 0

ws.Range("J" & 2 + j).Interior.ColorIndex = 4

Case Is < 0

ws.Range("J" & 2 + j).Interior.ColorIndex = 3

Case Else

ws.Range("J" & 2 + j).Interior.ColorIndex = 0

End Select

End If

total = 0

change = 0

j = j + 1

days = 0

Else

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

End If

Next i

ws.Range("Q2") = "%" & WorksheetFunction.Max(ws.Range("K2:K" & rowCount)) \* 100

ws.Range("Q3") = "%" & WorksheetFunction.Min(ws.Range("K2:K" & rowCount)) \* 100

ws.Range("Q4") = WorksheetFunction.Max(ws.Range("L2:L" & rowCount))

increase\_number = WorksheetFunction.Match(WorksheetFunction.Max(ws.Range("K2:K" & rowCount)), ws.Range("K2:K" & rowCount), 0)

decrease\_number = WorksheetFunction.Match(WorksheetFunction.Min(ws.Range("K2:K" & rowCount)), ws.Range("K2:K" & rowCount), 0)

volume\_number = WorksheetFunction.Match(WorksheetFunction.Max(ws.Range("L2:L" & rowCount)), ws.Range("L2:L" & rowCount), 0)

ws.Range("P2") = ws.Cells(increase\_number + 1, 9)

ws.Range("P3") = ws.Cells(decrease\_number + 1, 9)

ws.Range("P4") = ws.Cells(volume\_number + 1, 9)

Next ws

End Sub