Sub challenge1():

Dim ws As Worksheet

Dim ticker As String

Dim vol As Integer

Dim year\_open As Double

Dim year\_close As Double

Dim yearly\_change As Double

Dim percent\_change As Double

Dim Summary\_Table As Integer

Dim total\_ticker\_vol As Double

Dim max\_name As String

Dim min\_name As String

Dim greatest\_inc As Double

Dim greatest\_dec As Double

Dim max\_ticker\_vol As String

Dim max\_vol As Double

On Error Resume Next

For Each ws In ThisWorkbook.Worksheets

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

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

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

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

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

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

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

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

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

Summary\_Table = 2

RowCount = 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

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

vol = ws.Cells(i, 7).Value

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

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

yearly\_change = year\_close - year\_open

percent\_change = (year\_close - year\_open) / year\_close

ws.Range(Summary\_Table, 9).Value = ticker

ws.Range(Summary\_Table, 10).Value = yearly\_change

ws.Range(Summary\_Table, 11).Value = percent\_change

ws.Range(Summary\_Table, 12).Value = vol

Summary\_Table = Summary\_Table + 1

vol = 0

End If

Next i

If (year\_change > 0) Then

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

ElseIf (year\_change <= 0) Then

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

End If

If (yearly\_change > greatest\_inc) Then

greatest\_inc = yearly\_change

max\_name = ticker

ElseIf (percent\_change < greatest\_dec) Then

greatest\_dec = percent\_change

min\_name = ticker

End If

If (total\_ticker\_vol > max\_vol) Then

max\_vol = total\_ticker\_vol

max\_ticker\_vol = ticker

percent\_change = 0

total\_ticker\_vol = 0

Else

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

End If

ws.Range("Q2").Value = (CStr(greatest\_inc))

ws.Range("Q3").Value = (CStr(greatest\_dec))

ws.Range("P2").Value = max\_name

ws.Range("P3").Value = min\_name

ws.Range("Q4").Value = max\_vol

ws.Range("P4").Value = max\_ticker\_vol

Next ws

End Sub