Sub vbachallenge()

Dim ws As Worksheet

Dim ticker As String

Dim closing\_price As Double

Dim opening\_price As Double

Dim yearly\_price\_change As Double

Dim yearly\_percent\_change As Double

Dim summary\_table\_row As Integer

Dim total\_stock\_volume As Double

Dim row\_count As Integer

Dim last\_row As Long

Dim last\_summary\_row As Long

For Each ws In Worksheets

summary\_table\_row = 2

total\_stock\_volume = 0

last\_row = ws.Cells(ws.Rows.Count, 1).End(xlUp).Row

For t = 2 To last\_row

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

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

opening\_price = ws.Cells(t - row\_count, 3).Value

closing\_price = ws.Cells(t, 6).Value

yearly\_price\_change = closing\_price - opening\_price

yearly\_percent\_change = ((closing\_price - opening\_price) / opening\_price) \* 100

total\_stock\_volume = total\_stock\_volume + ws.Cells(t, 7).Value

ws.Range("I" & summary\_table\_row).Value = ticker

ws.Range("J" & summary\_table\_row).Value = yearly\_price\_change

ws.Range("K" & summary\_table\_row).Value = yearly\_percent\_change

ws.Range("L" & summary\_table\_row).Value = total\_stock\_volume

summary\_table\_row = summary\_table\_row + 1

total\_stock\_volume = 0

row\_count = 0 ' Reset row\_count

Else

total\_stock\_volume = total\_stock\_volume + ws.Cells(t, 7).Value

row\_count = row\_count + 1 ' Increment row\_count

End If

Next t

' Add headers to summary table

ws.Range("I" & 1).Value = "Ticker"

ws.Range("J" & 1).Value = "Yearly Change"

ws.Range("K" & 1).Value = "Percent Change"

ws.Range("L" & 1).Value = "Total Stock Volume"

' Add headers to second summary table

ws.Range("O" & 1).Value = "Ticker"

ws.Range("P" & 1).Value = "Value"

' Add row names

ws.Range("N" & 2).Value = "Greatest % Increase"

ws.Range("N" & 3).Value = "Greatest % Decrease"

ws.Range("N" & 4).Value = "Highest Total Volume"

Dim greatest\_increase As Double

Dim greatest\_increase\_ticker As String

Dim greatest\_decrease As Double

Dim greatest\_decrease\_ticker As String

Dim highest\_volume As Double

Dim highest\_volume\_ticker As String

last\_summary\_row = ws.Cells(ws.Rows.Count, 9).End(xlUp).Row

greatest\_increase = 0

greatest\_decrease = 0

highest\_volume = 0

For i = 2 To last\_summary\_row

If ws.Cells(i, 11).Value > greatest\_increase Then

greatest\_increase = ws.Cells(i, 11).Value

greatest\_increase\_ticker = ws.Cells(i, 9).Value

End If

If ws.Cells(i, 11).Value < greatest\_decrease Then

greatest\_decrease = ws.Cells(i, 11).Value

greatest\_decrease\_ticker = ws.Cells(i, 9).Value

End If

If ws.Cells(i, 12).Value > highest\_volume Then

highest\_volume = ws.Cells(i, 12).Value

highest\_volume\_ticker = ws.Cells(i, 9).Value

End If

' Add missing End If statement here

Next i

' enter greatest increase, decrease, and highest volume with tickers into second summary table

summary\_table\_row = 2

ws.Range("P" & summary\_table\_row).Value = greatest\_increase

ws.Range("O" & summary\_table\_row).Value = greatest\_increase\_ticker

ws.Range("P" & summary\_table\_row + 1).Value = greatest\_decrease

ws.Range("O" & summary\_table\_row + 1).Value = greatest\_decrease\_ticker

ws.Range("P" & summary\_table\_row + 2).Value = highest\_volume

ws.Range("O" & summary\_table\_row + 2).Value = highest\_volume\_ticker

' Conditional formatting for the first summary table

For c = 2 To last\_summary\_row

If ws.Cells(c, 10).Value > 0 Then

ws.Cells(c, 10).Interior.ColorIndex = 4

Else

ws.Cells(c, 10).Interior.ColorIndex = 3

End If

If ws.Cells(c, 11).Value > 0 Then

ws.Cells(c, 11).Interior.ColorIndex = 4

Else

ws.Cells(c, 11).Interior.ColorIndex = 3

End If

Next c

Next ws

End Sub