Sub Challenge2()

Dim ws As Worksheet

For Each ws In ActiveWorkbook.Worksheets

ws.Activate

'set a initial variable for the type of ticker

Dim Ticker As String

Dim First\_Open As Double

Dim Last\_Close As Double

Dim Change As Double

Dim Porcentage As Double

'set a initial variable for holding the total of volume per each ticker

Dim Total\_Volume As Double

Total\_Volume = 0

'keep track of the location for each ticker

Dim Summary\_table\_row As Integer

Summary\_table\_row = 2

'Creating the titles for Ticker and Total\_Volume columns

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

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

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

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

'Loop through all ticker types

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

First\_Open = Cells(2, 3).Value

For i = 2 To LastRow

'Check if we are still within the same ticker type

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

Last\_Close = Cells(i, 6).Value

Change = Last\_Close - First\_Open

'Calculating the %

Porcentage = Change / First\_Open

'set the ticker type

Ticker = Cells(i, 1).Value

'add to the volume

Total\_Volume = Total\_Volume + Cells(i, 7).Value

'print the ticker in the summary table

Range("I" & Summary\_table\_row).Value = Ticker

'print the volume to the summary table

Range("L" & Summary\_table\_row).Value = Total\_Volume

Range("J" & Summary\_table\_row).Value = Change

Range("K" & Summary\_table\_row).Value = Porcentage

'add one to the summary table row

Summary\_table\_row = Summary\_table\_row + 1

'Reset the Volume

Total\_Volume = 0

First\_Open = Cells(i + 1, 3).Value

'If the cell immediately following a row is the same ticker...

Else

'add to the volume

Total\_Volume = Total\_Volume + Cells(i, 7).Value

End If

'adding color green for positive values and color red for negative values

If Cells(i, 10) > 0 Then

Cells(i, 10).Interior.ColorIndex = 4

ElseIf Cells(i, 10) < 0 Then

Cells(i, 10).Interior.ColorIndex = 3

Else

Cells(i, 10).Interior.ColorIndex = 0

End If

Next i

Next ws

End Sub