Sub stock\_challenge()

' Set an initial variable for holding ticker name

Dim ticker As String

' Set an initial variable for holding total per ticker

Dim vol As Double

vol = 0

' Set an initial variable for holding year\_open

Dim year\_open As Double

' Set an initial variable for holding year\_close

Dim year\_close As Double

' Set an initial variable for holding yearly\_change

Dim yearly\_change As Double

' Set an initial variable for holding percent\_change

Dim percent\_change As Double

' Location for summary for ticker totals

Dim Summary\_Table\_Row As Integer

'Set initial variable for holding year\_open start

Dim start As Long

'setup integers for loop

Summary\_Table\_Row = 2

'year\_open start

start = 2

'set Summary Table headers

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

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

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

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

'Loop through all tickers

For i = 2 To ActiveSheet.UsedRange.Rows.Count

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

'find all the values

ticker = Cells(i, 1).Value

'vol = vol + Cells(i, 7).Value

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

'yearly\_change = year\_close - year\_open

yearly\_change = year\_close - Cells(start, 3)

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

percent\_change = yearly\_change / Cells(start, 3)

start = i + 1

'insert values into summary

Cells(Summary\_Table\_Row, 9).Value = ticker

Cells(Summary\_Table\_Row, 10).Value = yearly\_change

Cells(Summary\_Table\_Row, 11).Value = percent\_change

Cells(Summary\_Table\_Row, 12).Value = vol

Summary\_Table\_Row = Summary\_Table\_Row + 1

Else

'add to volume total

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

End If

Next i

Columns("K").NumberFormat = "0.00%"

'format columns colors

Dim rg As Range

Dim g As Long

Dim c As Long

Dim color\_cell As Range

Set rg = Range("J2", Range("J2").End(xlDown))

c = rg.Cells.Count

For g = 1 To c

Set color\_cell = rg(g)

Select Case color\_cell

Case Is >= 0

With color\_cell

.Interior.Color = vbGreen

End With

Case Is < 0

With color\_cell

.Interior.Color = vbRed

End With

End Select

Next g

End Sub