Sub VBA\_Challenge()

Dim headers() As Variant

Dim mainws As Worksheet

Dim wb As Workbook

Set wb = ActiveWorkbook

headers() = Array("ticker", "Date", "Open", "High", "Low", "Close", "Volume", " ", \_

"Ticker", "Yearly\_Change", "Percent\_Change", "Stock\_Volume", " ", " ", " ", "Ticker", "Value")

For Each mainws In wb.Sheets

With mainws

.Rows(1).Value = ""

For i = LBound(headers()) To UBound(headers())

.Cells(1, 1 + i).Value = headers(i)

Next i

.Rows(1).Font.Bold = True

.Rows(1).VerticalAlignment = xlCenter

End With

Next mainws

For Each mainws In Worksheets

Dim Ticker\_Name As String

Ticker\_Name = " "

Dim Total\_ticker As Variant

Total\_ticker = 0

Dim Start\_Price As Variant

Start\_Price = 0

Dim End\_price As Variant

End\_price = 0

Dim Yearly\_change As Variant

Yearly\_change = 0

Dim Yearly\_Change\_Percent As Variant

Yearly\_Change\_Percent = 0

Dim Max\_Ticker\_Name As String

Max\_Ticker\_Name = " "

Dim Min\_Ticker\_Name As String

Min\_Ticker\_Name = " "

Dim Max\_Percent As Variant

Max\_Percent = 0

Dim Min\_Percent As Variant

Min\_Percent = 0

Dim Max\_Volume\_ticker\_name As String

Max\_Volume\_ticker\_name = " "

Dim Max\_Volume As Variant

Max\_Volume = 0

Dim Summary\_table\_row As Variant

Summary\_table\_row = 2

Dim lastrow As Variant

lastrow = mainws.Cells(Rows.Count, 1).End(xlUp).Row

Start\_Price = mainws.Cells(2, 3).Value

For i = 2 To lastrow

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

Ticker\_Name = mainws.Cells(i, 1).Value

End\_price = mainws.Cells(i, 6).Value

Yearly\_change = End\_price - Start\_Price

If Start\_Price <> 0 Then

Yearly\_Change\_Percent = (Yearly\_change / Start\_Price) \* 100

End If

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

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

mainws.Range("J" & Summary\_table\_row).Value = Yearly\_change

If (Yearly\_change > 0) Then

mainws.Range("J" & Summary\_table\_row).Interior.ColorIndex = 4

ElseIf (Yearly\_change <= 0) Then

mainws.Range("J" & Summary\_table\_row).Interior.ColorIndex = 3

End If

mainws.Range("K" & Summary\_table\_row).Value = (CStr(Yearly\_Change\_Percent) & "%")

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

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

Start\_Price = mainws.Cells(i + 1, 3).Value

If (Yearly\_Change\_Percent > Max\_Percent) Then

Max\_Percent = Yearly\_Change\_Percent

Max\_Ticker\_Name = Ticker\_Name

ElseIf (Yearly\_Change\_Percent < Min\_Percent) Then

Min\_Percent = Yearly\_Change\_Percent

Min\_Ticker\_Name = Ticker\_Name

End If

Yearly\_Change\_Percent = 0

Total\_ticker = 0

Else

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

End If

Next i

mainws.Range("Q2").Value = (CStr(Max\_Percent) & "%")

mainws.Range("Q3").Value = (CStr(Min\_Percent) & "%")

mainws.Range("P2").Value = Max\_Ticker\_Name

mainws.Range("P3").Value = Min\_Ticker\_Name

mainws.Range("Q4").Value = Max\_Volume

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

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

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

Next mainws

End Sub