Sub VBAChallenge()

Dim WS As Worksheet

Dim column As Integer

Dim Stock\_Volume As Long

Dim Summary\_Row As Double

Dim OP\_Row As Double

Dim RowCount As Long

Dim Total\_Volume As Double

Dim Closing\_Price As Double

Dim Opening\_Price As Double

Dim Yearly\_Change As Double

Dim Percent\_Change As Double

Dim i As Long

Dim x As Long

Dim MaxIncrease As Double

Dim MaxDecrease As Double

Dim MaxVolume As Double

Dim MaxIncreaseTicker As String

Dim MaxDecreaseTicker As String

Dim MaxVolumeTicker As String

' Loop through all of the worksheets in the active workbook.

For Each WS In Worksheets

column = 1

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

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

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

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

Stock\_Volume = 0

Summary\_Row = 2

OP\_Row = 2

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

Total\_Volume = 0

Closing\_Price = 0

Opening\_Price = 0

Yearly\_Change = 0

Percent\_Change = 0

MaxIncrease = 0

MaxDecrease = 0

MaxVolume = 0

For i = 2 To RowCount

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

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

Closing\_Price = WS.Cells(i, 6).Value

Opening\_Price = WS.Cells(OP\_Row, 3).Value

Yearly\_Change = Closing\_Price - Opening\_Price

Percent\_Change = Yearly\_Change / Opening\_Price

WS.Range("I" & Summary\_Row).Value = WS.Cells(i, column).Value

WS.Range("J" & Summary\_Row).Value = Yearly\_Change

WS.Range("K" & Summary\_Row).Value = Percent\_Change

WS.Range("K" & Summary\_Row).NumberFormat = "0.00%"

WS.Range("L" & Summary\_Row).Value = Total\_Volume

If WS.Range("J" & Summary\_Row).Value > 0 Then

WS.Range("J" & Summary\_Row).Interior.ColorIndex = 4

ElseIf WS.Range("J" & Summary\_Row).Value < 0 Then

WS.Range("J" & Summary\_Row).Interior.ColorIndex = 3

End If

If WS.Range("K" & Summary\_Row).Value > 0 Then

WS.Range("K" & Summary\_Row).Interior.ColorIndex = 4

ElseIf WS.Range("K" & Summary\_Row).Value < 0 Then

WS.Range("K" & Summary\_Row).Interior.ColorIndex = 3

End If

If Percent\_Change > MaxIncrease Then

MaxIncrease = Percent\_Change

MaxIncreaseTicker = WS.Cells(i, column).Value

End If

If Percent\_Change < MaxDecrease Then

MaxDecrease = Percent\_Change

MaxDecreaseTicker = WS.Cells(i, column).Value

End If

If Total\_Volume > MaxVolume Then

MaxVolume = Total\_Volume

MaxVolumeTicker = WS.Cells(i, column).Value

End If

Total\_Volume = 0

Summary\_Row = Summary\_Row + 1

OP\_Row = i + 1

Yearly\_Change = 0

Else

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

End If

Next i

For x = 2 To 91

If WS.Cells(x, 11).Value > WS.Cells(x + 1, 11).Value Then

' Add your desired logic here

End If

Next x

' Output the stocks with the greatest % increase, % decrease, and total volume

WS.Range("O1").Value = "Greatest % Increase"

WS.Range("O2").Value = "Greatest % Decrease"

WS.Range("O3").Value = "Greatest Total Volume"

WS.Range("P1").Value = MaxIncreaseTicker

WS.Range("P2").Value = MaxDecreaseTicker

WS.Range("P3").Value = MaxVolumeTicker

WS.Range("Q1").Value = MaxIncrease

WS.Range("Q2").Value = MaxDecrease

WS.Range("Q3").Value = MaxVolume

Next WS

End Sub