Sub Worksheet()

'declare variables

Dim ws As Worksheet

Dim lastrow As Long

Dim i As Long

Dim j As Long

Dim total\_volume As Double

Dim yearly\_percentage\_change As Double

Dim greatest\_increase As Double

Dim greatest\_decrease As Double

Dim greatest\_stock As Double

'initialize variables

'start worksheet loop

For Each ws In Sheets

total\_volume = 0

j = 0

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

'print headers

ws.[i1] = "ticker\_symbol"

ws.[J1] = "yearly\_price\_change"

ws.[k1] = "yearly\_percentage\_change"

ws.[L1] = "total\_stock\_volume"

opening\_price = ws.Cells(2, 3).Value

For i = 2 To lastrow

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

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

ws.Cells(2 + j, 9).Value = ws.Cells(i, 1).Value

ws.Cells(2 + j, 12).Value = total\_volume

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

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

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

ws.Cells(2 + j, 10).Value = yearly\_price\_change

ws.Cells(2 + j, 11).Value = yearly\_percentage\_change

If ws.Cells(2 + j, 10).Value >= 0 Then

ws.Cells(2 + j, 10).Interior.ColorIndex = 4

Else

ws.Cells(2 + j, 10).Interior.ColorIndex = 3

End If

'output increase and decrease

If ws.Range("k" & 2 + j).Value >= greatest\_increase Then

greatest\_increase = Range("k" & 2 + j).Value

ws.Cells(2, 16).Value = greatest\_increase

ws.Cells(2, 15).Value = ws.Range("I" & 2 + j).Value

End If

If ws.Range("k" & 2 + j).Value <= greatest\_decrease Then

greatest\_decrease = Range("k" & 2 + j).Value

ws.Cells(3, 16).Value = greatest\_decrease

ws.Cells(3, 15).Value = ws.Range("I" & 2 + j).Value

End If

If ws.Range("L" & 2 + j).Value >= greatest\_stock Then

greatest\_stock = Range("L" & 2 + j).Value

ws.Cells(4, 16).Value = greatest\_stock

ws.Cells(4, 15).Value = ws.Range("I" & 2 + j).Value

End If

opening\_price = ws.Cells(i + 1, 3).Value

total\_volume = 0

j = j + 1

Else

'this runs when the stock tickers are the same

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

End If

Next i

Next ws

End Sub