Sub stocks():

'loop through worksheets

For Each ws In Worksheets

'labels Part 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"

'labels Part 2

ws.Range("P1").Value = "Ticker"

ws.Range("Q1").Value = "Value"

'labels for the Bonus

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

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

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

'declare variables Part 1

Dim Ticker As String

Dim yearly\_change As Double

Dim percent\_change As Double

Dim vol As Double

'declare variables Part 1

Dim price\_open As Double

Dim price\_close As Double

Dim row As Integer

Dim col As Integer

Dim greatestincrease As Double

Dim greatestdecrease As Double

'initialize variables Part 1

'summary table row

summary\_row = 2

'total volume

vol = 0

'initialize variables Part 2

'price initial

price\_open = Cells(2, 3).Value

'initialize variables for the Bonus

'greatest % increase

ws.Range("Q2").Value = 0

'greatest % decrease

ws.Range("Q3").Value = 0

'greatest total volume

ws.Range("Q4").Value = 0

'Determine last row

row\_final = ws.Cells(Rows.Count, 1).End(xlUp).row

'loop through each ticker

For i = 2 To row\_final

'if current ticker is different than the next ticker

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

'input current ticker name before it changes to a different one

Ticker = ws.Cells(i, 1).Value

'add last ticker volume in the set

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

'Calculate yearly change from opening price at beginning to closing price at the end

price\_close = ws.Cells(i, 6).Value

yearly\_change = price\_close - price\_open

'Calculate change percent and account for zero value

If price\_open <> 0 Then

percent\_change = (yearly\_change / price\_open) \* 100

End If

'print out ticker name

ws.Range("I" & summary\_row).Value = Ticker

'print out yearly change

ws.Range("J" & summary\_row).Value = yearly\_change

'format percent change to include %

ws.Range("K" & summary\_row).NumberFormat = "0.00\%"

'print out percent change

ws.Range("K" & summary\_row).Value = percent\_change

'print out final volume

ws.Range("L" & summary\_row).Value = vol

If (yearly\_change > 0) Then

ws.Range("J" & summary\_row).Interior.ColorIndex = 4

ElseIf (yearly\_change <= 0) Then

ws.Range("J" & summary\_row).Interior.ColorIndex = 3

End If

summary\_row = summary\_row + 1

vol = 0

price\_open = ws.Cells(i + 1, 6).Value

'if current ticker is the same as the next ticker

Else

'Add ticker volume total

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

End If

Next i

'Greatest Percent Increase, Greatest Percent Decrease, and Total Volume #bonus

For j = 2 To row\_final

'checks for greatest % increase

If ws.Range("K" & j).Value > ws.Range("Q2").Value Then

ws.Range("Q2").Value = ws.Range("K" & j).Value

ws.Range("P2").Value = ws.Range("I" & j).Value

End If

'checks for greatest % decrease

If ws.Range("K" & j).Value < ws.Range("Q3").Value Then

ws.Range("Q3").Value = ws.Range("K" & j).Value

ws.Range("P3").Value = ws.Range("I" & j).Value

End If

'checks for greatest total stock volume

If ws.Range("L" & j).Value > ws.Range("Q4").Value Then

ws.Range("Q4").Value = ws.Range("L" & j).Value

ws.Range("P4").Value = ws.Range("I" & j).Value

End If

' Format Table Columns To Auto Fit

ws.Columns("I:Q").AutoFit

ws.Range("Q2:Q3").NumberFormat = "0.00\%"

Next j

Next ws

End Sub