Sub stocks():

' Create Variable for file name

Dim ws As Worksheet

Dim table As Worksheet

Set table = Worksheets(1)

For Each ws In Worksheets

Dim WorksheetName As String

WorksheetName = ws.Name

'Declare the variables for stock value

Dim ticker As String

Dim total\_stock\_vol As LongLong

Dim yearly\_change As Double

Dim initial\_open As Double

Dim initial\_close As Double

Dim percent\_change As Double

Dim counter As LongLong

Dim counter2 As LongLong

Dim LastRows As LongLong

'declare variable stock value results for bonus

Dim Minrange As Double

Dim Minvalue As LongLong

Dim Minrow As LongLong

Dim Maxrange As Double

Dim Maxvalue As LongLong

Dim Maxrow As LongLong

Dim Volrange As Double

Dim Volvalue As LongLong

'Initialize counter to print summary table

counter = 2

'Initialize counter to print yearly and percent change values

counter2 = 2

'Set values

ticker = " "

yearly\_change = 0

percent\_change = 0

total\_stock\_vol = 0

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

'Set Hearders for each column

ws.Cells(1, 9).Value = "ticker"

ws.Cells(1, 10).Value = "yearly\_change"

ws.Cells(1, 11).Value = "percent\_change"

ws.Cells(1, 12).Value = "total\_stock\_vol"

ws.Cells(1, 16).Value = "ticker"

ws.Cells(1, 17).Value = "Value"

'printers greatest columns for each sheet

ws.Cells(2, 15).Value = "Greatest % Increase"

ws.Cells(3, 15).Value = "Greatest % Decrease"

ws.Cells(4, 15).Value = "Greatest Total Volume"

'Loop through all the stocks for 1year to output ticker symbol, yearly change, percertchange and total stock volume

For i = 2 To LastRow

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

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

initial\_open = ws.Cells(counter2, 3).Value

yearly\_change = ws.Cells(i, 6).Value - initial\_open

total\_stock\_vol = total\_stock\_vol + Cells(i, 7).Value

'set the values for percent\_change

If initial\_open <> 0 Then

percent\_change = (yearly\_change / initial\_open)

Else

percent\_change = 0

End If

'print the values for ticker, yearly change, percent change and total stock vol

ws.Cells(counter, 9).Value = ticker

ws.Cells(counter, 10).Value = yearly\_change

ws.Cells(counter, 11).Value = percent\_change

ws.Cells(counter, 12).Value = total\_stock\_vol

'conditional formatting for the yearly change

If ws.Cells(counter, 10).Value > 0 Then

ws.Cells(counter, 10).Interior.ColorIndex = 4

Else

ws.Cells(counter, 10).Interior.ColorIndex = 3

End If

' set values to control next iterations at the change of the ticker point

counter2 = i + 1

counter = counter + 1

total\_stock\_vol = 0

Else

total\_stock\_vol = total\_stock\_vol + Cells(i, 7).Value

End If

Next i

' To find and set the Greatest Percent Increase

Range("Q2") = "%" & WorksheetFunction.Max(Range("K2:K" & LastRow)) \* 100

Range("Q3") = "%" & WorksheetFunction.Min(Range("K2:K" & LastRow)) \* 100

Range("Q4") = WorksheetFunction.Max(Range("L2:L" & LastRow))

' returns one less because header row not a factor

increase\_number = WorksheetFunction.Match(WorksheetFunction.Max(Range("K2:K" & LastRow)), Range("K2:K" & LastRow), 0)

decrease\_number = WorksheetFunction.Match(WorksheetFunction.Min(Range("K2:K" & LastRow)), Range("K2:K" & LastRow), 0)

volume\_number = WorksheetFunction.Match(WorksheetFunction.Max(Range("L2:L" & LastRow)), Range("L2:L" & LastRow), 0)

' final ticker symbol for total, greatest % of increase and decrease, and average

Range("P2") = Cells(increase\_number + 1, 9)

Range("P3") = Cells(decrease\_number + 1, 9)

Range("P4") = Cells(volume\_number + 1, 9)

Next ws

End Sub