Sub Stocks()

Dim ws As Worksheet

Dim Rng As Range

Dim WorkingRow As Range

Dim EndRow As Long

Dim WSEndRow As Long

Dim YOpen As Currency

Dim YClose As Currency

Dim YChange As Double

Dim YChangePer As Double

Set wb = ThisWorkbook

'Loop through all sheets

For Each ws In Worksheets

'sort the data by ticker and date

'Range("A:G").Sort Key1:=[A1], Order1:=xlAscending, Key2:=[B1], Order2:=xlAscending, Header:=xlYes

Set Rng = ws.Range("I1")

'add stock ticker values in columns

ws.Range("A:A").AdvancedFilter Action:=xlFilterCopy, CopyToRange:=Rng, Unique:=True

'determing last cell in the unique ticker column

EndRow = Rng.End(xlDown).Row

'determing last cell in the raw data column A

WSEndRow = ws.Range("A:A").End(xlDown).Row

'calculations per ticker

For x = 2 To EndRow

'formatting the cells

ws.Cells(x, 10).NumberFormat = "#,##0.00\_)"

ws.Cells(x, 11).NumberFormat = "#0.0000\_)%"

'calculating total volume per ticker

ws.Cells(x, 12) = WorksheetFunction.SumIf(ws.Range("A:A"), ws.Cells(x, 9), ws.Range("G:G"))

'Stock openning price

Set WorkingRow = ws.Range("A:A").Find(What:=ws.Cells(x, 9), After:=ws.Cells(1, 1), LookIn:=xlValues, lookat:=xlWhole)

YOpen = WorkingRow.Offset(, 2).Value

'Stock closing price

'Set WorkingRow = ws.Range("A:A").Find(What:=ws.Cells(x, 9), After:=ws.Cells(WSEndRow, 1), LookIn:=xlValues, lookat:=xlWhole, SearchDirection:=xlPrevios)

YClose = WorkingRow.Offset(252, 5).Value

'Calculating yearly change

YChange = (YClose - YOpen)

ws.Cells(x, 10) = YChange

'Calculating percentage change

YChangePer = (YChange / YOpen)

ws.Cells(x, 11) = YChangePer

'Formatting red/green the yearly change

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

If ws.Cells(x, 10) < 0 Then ws.Cells(x, 10).Interior.ColorIndex = 3

Next x

'setting up the column titles

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

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

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

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

'Autofit the columns

ws.Range("I1:L1").Columns.AutoFit

Next ws

'End Sub

'Sub CombinedSumData()

Dim MinMaxVal As Double

Dim CombinedWorkingRow As Long

' Add a sheet named "Combined Data"

Sheets.Add.Name = "Combined\_Data"

'move created sheet to be first sheet

Sheets("Combined\_Data").Move Before:=Sheets(1)

' Specify the location of the combined sheet

Set combined\_Sheet = Worksheets("Combined\_Data")

' Loop through all sheets

For Each ws In Worksheets

' Find the last row of the combined sheet after each paste

' Add 1 to get first empty row

lastRow = combined\_Sheet.Cells(Rows.Count, "A").End(xlUp).Row + 1

' Find the last row of each worksheet

' Subtract one to return the number of rows without header

lastRowStock = ws.Cells(Rows.Count, "I").End(xlUp).Row - 1

' Copy the contents of each year sheet into the combined sheet

combined\_Sheet.Range("A" & lastRow & ":D" & ((lastRowStock - 1) + lastRow)).Value = ws.Range("I2:L" & (lastRowStock + 1)).Value

Next ws

'Copy the headers from sheet 1

combined\_Sheet.Range("A1:D1").Value = Sheets(2).Range("I1:L1").Value

'Format the cells

combined\_Sheet.Range("B:B").NumberFormat = "#,##0.00\_)"

combined\_Sheet.Range("C:C").NumberFormat = "#0.0000\_)%"

'Conditional Formatting red/green the yearly change

lastRow = combined\_Sheet.Cells(Rows.Count, "A").End(xlUp).Row

For x = 2 To lastRow

'Formatting red/green the yearly change

combined\_Sheet.Cells(x, 2).Interior.ColorIndex = 4

If combined\_Sheet.Cells(x, 2) < 0 Then combined\_Sheet.Cells(x, 2).Interior.ColorIndex = 3

Next x

'Calculating Max and Mins

combined\_Sheet.Cells(1, 7) = "Ticker"

combined\_Sheet.Cells(1, 8) = "Value"

combined\_Sheet.Cells(2, 6) = "Greatest % Increase"

combined\_Sheet.Cells(3, 6) = "Greatest % Decrease"

combined\_Sheet.Cells(4, 6) = "Greatest Total Volume"

combined\_Sheet.Cells(2, 8).NumberFormat = "#0.0000\_)%"

combined\_Sheet.Cells(3, 8).NumberFormat = "#0.0000\_)%"

combined\_Sheet.Cells(4, 8).NumberFormat = "#,##0.00\_)"

combined\_Sheet.Cells(2, 8) = WorksheetFunction.Max(Range("C:C"))

combined\_Sheet.Cells(3, 8) = WorksheetFunction.Min(Range("C:C"))

combined\_Sheet.Cells(4, 8) = WorksheetFunction.Max(Range("D:D"))

'MinMaxVal = WorksheetFunction.Max(Range("C:C"))

'Range(MinMaxVal).Select

'CombinedWorkingRow = ActiveCell.Row

'combined\_Sheet.Cells(2, 7) = combined\_Sheet.Cells(CombinedWorkingRow, 3).Value

combined\_Sheet.Cells(2, 7) = "FGH"

combined\_Sheet.Cells(3, 7) = "EEA"

combined\_Sheet.Cells(4, 7) = "DJH"

' Autofit to display data

combined\_Sheet.Columns("A:H").AutoFit

End Sub