Sub Loop\_Through\_Stock\_One\_Year()

' This macro will run through all the stocks for a given year, and return a number of parameters

' Step 1: Create Headers

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

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

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

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

' Step 2: Define Variables

Dim TickerSymbol As String

Dim OpeningPrice As Double

Dim ClosingPrice As Double

Dim Volume As Double

Dim i As Long

Dim NumberTicker As Integer

i = 2

NumberTicker = 1

' Step 3.1: Loop through all tickers

Do While Not (IsEmpty(Cells(i, 1)))

TickerSymbol = Cells(i, 1).Value

OpeningPrice = Cells(i, 3).Value

ClosingPrice = 0

Volume = 0

' Step 3.2: Loop through all values for one given ticker

Do While Cells(i, 1).Value = TickerSymbol

ClosingPrice = Cells(i, 6).Value

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

i = i + 1

Loop

' Step 3.3: Save Values for selected ticker

NumberTicker = NumberTicker + 1

Cells(NumberTicker, 9).Value = TickerSymbol

Cells(NumberTicker, 10).Value = ClosingPrice - OpeningPrice

Cells(NumberTicker, 11).Value = (ClosingPrice - OpeningPrice) / OpeningPrice

Cells(NumberTicker, 12).Value = Volume

' Step 3.4: Format Values

Cells(NumberTicker, 10).Select

Selection.NumberFormat = "[$USD] #,##0.00"

Cells(NumberTicker, 11).Select

Selection.NumberFormat = "0.00%"

' Step 3.5: Include Conditional Formatting

' Step 3.5.1: Conditional Formatting for Yearly Change Column

Cells(NumberTicker, 10).Select

Selection.FormatConditions.Add Type:=xlCellValue, Operator:=xlLess, \_

Formula1:="=0"

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Interior

.PatternColorIndex = xlAutomatic

.Color = 255

.TintAndShade = 0

End With

Selection.FormatConditions(1).StopIfTrue = False

Selection.FormatConditions.Add Type:=xlCellValue, Operator:=xlGreaterEqual \_

, Formula1:="=0"

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Interior

.PatternColorIndex = xlAutomatic

.Color = 5287936

.TintAndShade = 0

End With

Selection.FormatConditions(1).StopIfTrue = False

' Step 3.5.2: Conditional Formatting for Percent Change column

Cells(NumberTicker, 11).Select

Selection.FormatConditions.Add Type:=xlCellValue, Operator:=xlLess, \_

Formula1:="=0"

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Interior

.PatternColorIndex = xlAutomatic

.Color = 255

.TintAndShade = 0

End With

Selection.FormatConditions(1).StopIfTrue = False

Selection.FormatConditions.Add Type:=xlCellValue, Operator:=xlGreaterEqual \_

, Formula1:="=0"

Selection.FormatConditions(Selection.FormatConditions.Count).SetFirstPriority

With Selection.FormatConditions(1).Interior

.PatternColorIndex = xlAutomatic

.Color = 5287936

.TintAndShade = 0

End With

Selection.FormatConditions(1).StopIfTrue = False

Loop

' Step 4: Run sub Retrieve\_Largest\_Change

Call Retrieve\_Largest\_Change

End Sub