Sub StockMarkeAnalysis():

' Loop Through All Worksheets

For Each ws In Worksheets

'Use Range (arg), where arg names the range, to return a Range object that represents a single cell or a range of cells

'Range(arg) is used to label the cells in the header

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

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

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

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

'Range(arg) is used to label cells in the summary display

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

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

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

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

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

' Variables Declared

Dim TickerName As String

Dim LastRow As Long

Dim TotalTickerVolume As Double

TotalTickerVolume = 0

Dim SummaryTableRow As Long

SummaryTableRow = 2

Dim YearlyOpen As Double

Dim YearlyClose As Double

Dim YearlyChange As Double

Dim PreviousAmount As Long

PreviousAmount = 2

Dim PercentChange As Double

Dim GreatestIncrease As Double

GreatestIncrease = 0

Dim GreatestDecrease As Double

GreatestDecrease = 0

Dim LastRowValue As Long

Dim GreatestTotalVolume As Double

GreatestTotalVolume = 0

' Determine what the Last Row is

' VBA snippet End(xlup).Row will find the last used row in an Excel range

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

For i = 2 To LastRow

' Add To Ticker Total Volume

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

' Check to see if we are still using same ticker

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

' Set Ticker Name

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

'Print The Ticker Name In The Summary Table

ws.Range("I" & SummaryTableRow).Value = TickerName

'Print The Ticker Total Amount To The Summary Table

ws.Range("L" & SummaryTableRow).Value = TotalTickerVolume

' Reset Ticker Total

TotalTickerVolume = 0

' Open and Close for the year

YearlyOpen = ws.Range("C" & PreviousAmount)

YearlyClose = ws.Range("F" & i)

YearlyChange = YearlyClose - YearlyOpen

ws.Range("J" & SummaryTableRow).Value = YearlyChange

' Determine Percent Change

If YearlyOpen = 0 Then

PercentChange = 0

Else

YearlyOpen = ws.Range("C" & PreviousAmount)

PercentChange = YearlyChange / YearlyOpen 'calculation of final % change

End If

' final formatting

ws.Range("K" & SummaryTableRow).NumberFormat = "0.00%"

ws.Range("K" & SummaryTableRow).Value = PercentChange

' Add One To The Summary Table Row

SummaryTableRow = SummaryTableRow + 1

PreviousAmount = i + 1

End If

Next i

' SUMMARY BOX IMPLEMENTED--------------------------------------------------------------------------------------------------------

'Greatest % Increase

'Greatest % Decrease

'Greatest Total Volume

LastRow = ws.Cells(Rows.Count, 11).End(xlUp).Row

' Start Loop for results

'for increase

For i = 2 To LastRow

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

ws.Range("Q2").Value = ws.Range("K" & i).Value 'replacement of compared value

End If

ws.Range("P2").Value = ws.Range("I" & i).Value '

'for decrease

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

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

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

End If

'for total volume

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

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

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

End If

Next i

' final formatting

ws.Range("Q2").NumberFormat = "0.00%"

ws.Range("Q3").NumberFormat = "0.00%"

' final formatting

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

Next ws

End Sub