Sub Stock\_Analysis():

' Loop / Iterate Through All Worksheets

For Each ws In Worksheets

'Identify Column Headers for (Ticker, Yearly change, Percent change, Toatl stock Volume, Greatest Increase, Greatest Decrease, Ticker and Value respectlly.

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

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

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

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

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"

'Declare all needed Variables

Dim Ticker\_name As String

Dim Yearly\_Change, Summary\_table, previuos\_amount As Long

Dim Percent\_Change, Yearly\_Open, Yearly\_Close, Total\_Ticker\_Volume As Double

Dim Greatest\_Increase, Greatest\_Decrease, Greatest\_Total\_Volume As Double

Dim last\_raw As Double

Total\_Ticker\_Volume = 0

Summary\_table\_row = 2

Previous\_amount = 2

GreatestIncrease = 0

GreatestDecrease = 0

Greatest\_Total\_Volume = 0

' look for the Last Row in worksheets

last\_row = ws.Cells(Rows.Count, 1).End(xlUp).Row

' some vlues won't fit, so we do auto fit

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

'loop for total ticker

For i = 2 To last\_row

' Add To Ticker Total Volume

Total\_Ticker\_Volume = Total\_Ticker\_Volume + ws.Cells(i, 7).Value

'we should be in the same tiker\_name, otherwise..

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

' try to Set Ticker\_name

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

' now Print our Ticker\_name In Summary\_table

ws.Range("I" & Summary\_table\_row).Value = Ticker\_name

' Print Ticker\_total\_amount Summary\_table

ws.Range("L" & Summary\_table\_row).Value = Total\_Ticker\_Volume

' Reset Ticker Total

Total\_Ticker\_Volume = 0

' find Yearly\_Open, Yearly\_Close and Yearly\_Change Name

Yearly\_Open = ws.Range("C" & Previous\_amount)

Yearly\_Close = ws.Range("F" & i)

Yearly\_Change = Yearly\_Close - Yearly\_Open

ws.Range("J" & Summary\_table\_row).Value = Yearly\_Change

' find our Percent Change

If Yearly\_Open = 0 Then

Percent\_Change = 0

Else

Yearly\_Open = ws.Range("C" & Previous\_amount)

Percent\_Change = Yearly\_Change / Yearly\_Open

End If

' Formatting to % Symbol And creating Two Decimal Places, tm make it Double

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

ws.Range("K" & Summary\_table\_row).Value = Percent\_Change

' Highlight the Positive change to Green color and Negative change to Red color

If ws.Range("J" & Summary\_table\_row).Value >= 0 Then

ws.Range("J" & Summary\_table\_row).Interior.Color = RGB(0, 255, 0)

Else

ws.Range("J" & Summary\_table\_row).Interior.Color = RGB(255, 0, 0)

End If

'to make sure we go through this loop, add one to sammury table and previuos amount

Summary\_table\_row = Summary\_table\_row + 1

Previous\_amount = i + 1

End If

Next i

'count Greatest increase an decrease, alongside greateset total

last\_row = ws.Cells(Rows.Count, 11).End(xlUp).Row

' loop for study results

For i = 2 To last\_row

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

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

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

End If

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

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

'formatting to get % symbol and 2 Dicimal places

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

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

Next ws