This is the VBA script in word document format as the code that can be run is within the excel .xlms file that was submitted.

Sub Stock\_Alpha()

' Set an initial variable for holding the stock ticker and Next Ticker

Dim Ticker As String

' Set an initial variable for holding the Open Price

'Dim Open\_Price As Double

'Open\_Price = Range("C2").Value

' Set an initial variable for holding the Close Price

Dim Close\_Price As Double

Close\_Price = 0

' Set an initial variable for holding the percent change from 1/1 open to 12/31 close for each stock ticker

Dim Yearly\_Change As Double

Yearly\_Change = 0

' Set an initial variable for holding the percent change from 1/1 open to 12/31 close for each stock ticker

Dim Percent\_Change As Double

Percent\_Change = 0

' Set an initial variable for holding the total volume traded for each stock ticker

Dim Volume\_Traded As Double

Volume\_Traded = 0

' Keep track of the location for each credit card brand in the summary table

Dim Summary\_Table\_Row As Integer

Summary\_Table\_Row = 2

For i = 2 To 800000

' Check if we are still within the same stock ticker, if it is not write to summary table

' the Stock Ticker, Percent Change, and Total Volume Traded as coded below in the print stmts

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

' Set the Stock Ticker

Ticker = Cells(i, 1).Value

' Set the Close Price

Close\_Price = Cells(i, 6).Value

' Set the Open Price

Open\_Price = Cells(i, 3).Value

' Add to the Yearly Change

Yearly\_Change = (Close\_Price - Open\_Price)

' Add to the Percent Change

Percent\_Change = (((Close\_Price / Open\_Price) \* 1) + (-1))

' Add to the Volume Traded

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

' Print the Stock Ticker in the Summary Table

Range("I" & Summary\_Table\_Row).Value = Ticker

' Print the Yearly Change to the Summary Table

Range("J" & Summary\_Table\_Row).Value = Yearly\_Change

' Print the Percent Change to the Summary Table

Range("K" & Summary\_Table\_Row).Value = Percent\_Change

' Print the total Volume Traded to the Summary Table

Range("L" & Summary\_Table\_Row).Value = Volume\_Traded

' Color Cells Red if less than 1 and green if greater than 1

If Yearly\_Change < "0" Then

Range("J" & Summary\_Table\_Row).Interior.ColorIndex = 3

Else

Range("J" & Summary\_Table\_Row).Interior.ColorIndex = 4

End If

' Color Cells Red if less than 1 and green if greater than 1

If Percent\_Change < "0" Then

Range("K" & Summary\_Table\_Row).Interior.ColorIndex = 3

Else

Range("K" & Summary\_Table\_Row).Interior.ColorIndex = 4

End If

' Add one to the summary table row

Summary\_Table\_Row = Summary\_Table\_Row + 1

' Reset the Volume Traded

Volume\_Traded = 0

' If the cell immediately following a row is the same brand...

Else

' Add to the Volume Traded

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

End If

Next i

' Print the Greatest Increase

Range("O3").Value = Application.WorksheetFunction.Max(Columns("K"))

' Print the Greatest Decrease

Range("O4").Value = Application.WorksheetFunction.Min(Columns("K"))

' Print the Greatest Total Volume

Range("O5").Value = Application.WorksheetFunction.Max(Columns("L"))

End Sub