Sub marketstock()

' --------------------------------------------

' LOOP THROUGH ALL SHEETS

' --------------------------------------------

Dim ws As Worksheet

' For Each ws In Worksheets

For Each ws In ActiveWorkbook.Worksheets

ws.Activate

' Create the Variables

Dim open\_price As Double

Dim close\_price As Double

Dim ticker As String

Dim volume As Double

Dim yearly\_change As Double

Dim percent\_change As Double

Dim c As Integer

' Declare Variables

open\_price = Cells(2, 3).Value

close\_price = Cells(2, 6).Value

ticker = Cells(2, 1).Value

volume = 0

yearly\_change = 0

percent\_change = 0

c = 2

Dim g\_ticker\_neg As String

Dim g\_ticker\_pos As String

Dim g\_ticker\_vol As String

Dim g\_volume As Double

Dim gpos\_percentage As Double

Dim gneg\_percentage As Double

g\_volume = 0

gpos\_percentage = 0

gneg\_percentage = 0

' Add Headings for the new Columns

Cells(1, 9).Value = "Ticker"

Cells(1, 10).Value = "Yearly Change"

Cells(1, 11).Value = "Percent Change"

Cells(1, 12).Value = "Total Stock Volume"

' Add Headings for the new Columns

Cells(1, 16).Value = "Ticker"

Cells(1, 17).Value = "Value"

Cells(2, 15).Value = "Greatest % Increase"

Cells(3, 15).Value = "Greatest % Decrease"

Cells(4, 15).Value = "Greatest Total Volume"

' Determine the last Row

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

' Loop through all Ticker cells

For i = 2 To LastRow

' check if the next cell has the same ticker symbol as the cell where we are placed.

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

' Assigne the Ticker Symbol

ticker = Cells(i, 1).Value

' Set Yearly Change

close\_price = Cells(i, 6).Value

yearly\_change = close\_price - open\_price

' Set percent\_change = yearly\_change / open\_price

' Please note: open\_price can not be 0.

If (open\_price = 0 And close\_price = 0) Then

percent\_change = 0

ElseIf (open\_price = 0 And close\_price <> 0) Then

percent\_change = 0

ElseIf (open\_price <> 0 And close\_price = 0) Then

percent\_change = 0

Else

percent\_change = yearly\_change / open\_price

End If

open\_price = Cells(i + 1, 3).Value

' Set Total Stock Volume

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

' Assigne the Values to the new table

Cells(c, 9).Value = ticker

Cells(c, 10).Value = yearly\_change

Cells(c, 11).Value = percent\_change

Cells(c, 12).Value = volume

volume = 0

' fill the colors of the cells.

' if the value of the percetage is negative, fill the cells in Red

' if the value of the percentage is positive, fill the cells in green

If (Cells(c, 10).Value <= 0) Then

Cells(c, 10).Interior.ColorIndex = 3

Else

Cells(c, 10).Interior.ColorIndex = 4

End If

'locate the stock with the "Greatest % increase", "Greatest % Decrease" and "Greatest total volume"

If (Cells(c, 11).Value < 0) Then

If (Cells(c, 11).Value <= gneg\_percentage) Then

gneg\_percentage = Cells(c, 11).Value

g\_ticker\_neg = Cells(c, 9).Value

End If

Else

If (Cells(c, 11).Value > gpos\_percentage) Then

gpos\_percentage = Cells(c, 11).Value

g\_ticker\_pos = Cells(c, 9).Value

End If

End If

If (Cells(c, 12).Value > g\_volume) Then

g\_volume = Cells(c, 12).Value

g\_ticker\_vol = Cells(c, 9).Value

End If

' Change the format to percentege for the Percent Change Row.

Cells(c, 11).NumberFormat = "0.00%"

'round((change/cells(start,3)\*100),2)

' Add One to our counter to know where we need to add the next line of result and reset the volume value.

c = c + 1

Else

'If cells have the same Ticker symbol we will use the loop to add the volume to the counter.

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

End If

Next i

Cells(2, 16).Value = g\_ticker\_pos

Cells(3, 16).Value = g\_ticker\_neg

Cells(4, 16).Value = g\_ticker\_vol

Cells(2, 17).Value = gpos\_percentage

Cells(2, 17).NumberFormat = "0.00%"

Cells(3, 17).Value = gneg\_percentage

Cells(3, 17).NumberFormat = "0.00%"

Cells(4, 17).Value = g\_volume

Next ws

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End Sub