Sub stockanalysis()

Dim ws As Worksheet

For Each ws In Worksheets

'Add column labels for new table

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

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

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

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

'Set Variables

'Variable 1 ticker symbol to set aside variable

Dim ticker\_symbool As String

'Variable for total volume to hold the total volume

Dim total\_volume As Double

'variable to hold count of ticker symbols

Dim ticker\_count As Long

'variable to hold year open

Dim year\_open As Double

'variable to hold year close

Dim year\_close As Double

'Variable to hold Year Change

Dim Year\_change As Double

'variable to hold percent change

Dim Percent\_change As Double

'variable for last row

Dim Lastrow As Long

'set initial values for variables all start at zero except for ticker count, which starts at 2 so that it can start counting at row 2 instead of 1

total\_volume = 0

ticker\_count = 2

year\_open = 0

year\_close = 0

Year\_change = 0

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

'Create the loop to go through and look for the change in the ticker symbol & look for year open price

For i = 2 To Lastrow

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

'if the value in row 2 column 1--the ticker-- changes then grab the year open in cell row2 column 3 and store it in year\_open variable

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

'grab the year open in cell (row 2, column 3 and store it in year open

year\_open = ws.Cells(i, 3).Value

End If

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

'determine the total stock volume: increase the volume of total volume by the amount in the current volume Row

total\_volume = total\_volume + ws.Cells(i, 7)

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

'determine if the ticker symbol is changing if the cell does not equal following cell then capture previous cell

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

'change the volue of row 2 column 9 to the value of whatever is in the ticker

ws.Cells(ticker\_count, 9).Value = ws.Cells(i, 1).Value

'add the volume from row 2 column 12

ws.Cells(ticker\_count, 12).Value = total\_volume

'also take the year close from row 2, column 6

year\_close = ws.Cells(i, 6).Value

'calculate the yearly change by taking the difference between year close and year open

Year\_change = year\_close - year\_open

'place in summary table

ws.Cells(ticker\_count, 10).Value = Year\_change

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

'the percent change table

'calculate the percent change

If year\_open = 0 And year\_close = 0 Then

Percent\_change = 0

Else

Percent\_change = Year\_change / year\_open

'Place percent change in row 2 column 11

ws.Cells(ticker\_count, 11).Value = Percent\_change

ws.Cells(ticker\_count, 11).NumberFormat = "0.00%"

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

ticker\_count = ticker\_count + 1

'reset

total\_volume = 0

year\_open = 0

year\_close = 0

Year\_change = 0

Percent\_change = 0

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

End If

End If

Next i

Next ws

End Sub