'Create a script that loops through all the stocks for one year and outputs the following information

'The ticker Symbol

'Yearly change from opening price at the beginning of a given year to the closing price at the end of the year

'The percent change from the opening price at the beginning of the given year to the closing price at the end of that year

'The total stock volume of the stock

Sub Stock\_market()

'Create Variables to use

Dim symbol As String

Dim low\_price As Double

Dim Closing\_price As Double

Dim Volume As Double

Dim summary\_table\_row As Double

Dim final\_closing\_price As Double

Dim Price\_change As Double

Dim original\_open\_price As Double

Dim percentage\_change As Double

Dim lastrow As Double

'Set first values

original\_open\_price = Cells(2, 3)

summary\_table\_row = 2

'Add a Sheet Called Summary

Sheets.Add.Name = "Summary"

'Move before the first sheet

Sheets("Summary").Move before:=Sheets(1)

'specify the location of the summary sheet

Set Summary = Worksheets("Summary")

'set headers for the Summary sheet

Sheets("Summary").Cells(1, 1).Value = "Stock Symbol"

Sheets("Summary").Cells(1, 2).Value = "Yearly Price Change"

Sheets("Summary").Cells(1, 3).Value = "% Change Year/Year"

Sheets("Summary").Cells(1, 4).Value = "Total Stock Volume"

'set Column Width in Summary Sheet using autofit

Sheets("Summary").Columns("A:D").AutoFit

'Loop Through all the sheets

For Each ws In Worksheets

'determine the last row

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

'lastrow = Cells(Rows.Count, 1).End(xlUp).Row

'Loop through all the stock symbols

For i = 2 To lastrow

'Check to see if the symbol has changed

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

'Set The stock Ticker Symbol

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

'MsgBox symbol

'get the final closing price

final\_closing\_price = ws.Cells(i, 6).Value

'MsgBox final\_closing\_price

'Add in the volume together

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

'Get the final price change

Price\_change = final\_closing\_price - original\_open\_price

'MsgBox Price\_change

'Print the Stock Symbol on the Summary Page

Range("a" & summary\_table\_row).Value = symbol

'Print the volume amount to the Summary Page

Range("d" & summary\_table\_row).Value = Volume

'Print change in price over the year

Range("B" & summary\_table\_row).Value = Price\_change

'Create the % change in price

If final\_closing\_price - original\_open\_price <> 0 Then

percentage\_change = ((final\_closing\_price - original\_open\_price) / final\_closing\_price) \* 0.01

Else

percentage\_change = 0

End If

'Print the % Change to the summary sheet as percentage

If percentage\_change >= 0 Then

Range("C" & summary\_table\_row).Interior.ColorIndex = 4

Range("C" & summary\_table\_row).Value = FormatPercent(percentage\_change)

Else

Range("C" & summary\_table\_row).Interior.ColorIndex = 3

Range("C" & summary\_table\_row).Value = FormatPercent(percentage\_change)

End If

'Add one to the summary row table

summary\_table\_row = summary\_table\_row + 1

'Reset Volume

Volume = 0

'reset low and closing prices

'low\_price = 0

original\_open\_price = ws.Cells(i, 3)

'MsgBox original\_open\_price

'Closing\_price = 0

percentage\_change = 0

'if the cell immediately following a row is the same Symbol...

Else

'Add the volume totals

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

End If

Next i

Next ws

End Sub