Sub Stock\_Data()

'Declaring the variables

Dim tot\_stock\_vol As LongLong

Dim lastrow As Long

Dim yearly\_change As Double

Dim percent\_change As Double

Dim opening\_price As Double

Dim closing\_price As Double

Dim greatest\_tot\_vol As LongLong

Dim greatest\_increase As Double

Dim greatest\_decrease As Double

Dim ticker As String

'Calculating the last row in the excel

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

' Total stock volume and opening price are assigned the the values of starting row

tot\_stock\_vol = Cells(2, 7).Value

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

j = 2

' For loop to calculate the total stock volume, yearly change and percent change for each ticker

For i = 2 To lastrow

If (Cells(i, 1).Value = Cells(i + 1, 1).Value) Then

tot\_stock\_vol = tot\_stock\_vol + Cells(i + 1, 7).Value

Else

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

yearly\_change = closing\_price - opening\_price

If (opening\_price <> 0) Then

percent\_change = (yearly\_change / opening\_price) \* 100

End If

'Populates the total stock volume, yearly change and percent change for each ticker

Cells(j, 11).Value = yearly\_change

Cells(j, 12).Value = Round(percent\_change, 2)

Cells(j, 10).Value = tot\_stock\_vol

Cells(j, 9).Value = Cells(i, 1).Value

' If the tickers are not equal then assign the total stock value and the opeining price to the value of next ticker

tot\_stock\_vol = Cells(i + 1, 7).Value

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

j = j + 1

End If

Next i

'Calculating the last row of the 9th column (Ticker)

lastrow\_total\_stock = Cells(Rows.Count, 9).End(xlUp).Row

greatest\_tot\_vol = Cells(2, 10).Value

greatest\_increase = Cells(2, 12).Value

greatest\_decrease = Cells(2, 12).Value

Cells(4, 15).Value = Cells(2, 9).Value

Cells(3, 15).Value = Cells(2, 9).Value

Cells(2, 15).Value = Cells(2, 9).Value

For k = 2 To lastrow\_total\_stock

'Calculating the greatest total stock value

If (Cells(k + 1, 10).Value > greatest\_tot\_vol) Then

greatest\_tot\_vol = Cells(k + 1, 10).Value

Cells(4, 15).Value = Cells(k + 1, 9).Value

End If

'Calculating the greatest percent increase value

If (Cells(k + 1, 12).Value > greatest\_increase) Then

greatest\_increase = Cells(k + 1, 12).Value

Cells(2, 15).Value = Cells(k + 1, 9).Value

End If

'Calculating the greatest percent decrease value

If (Cells(k + 1, 12).Value < greatest\_decrease) Then

greatest\_decrease = Cells(k + 1, 12).Value

Cells(3, 15).Value = Cells(k + 1, 9).Value

End If

Next k

'Populating the greatest percent increase, percent decrease and the total volume

Cells(2, 16).Value = greatest\_increase

Cells(3, 16).Value = greatest\_decrease

Cells(4, 16).Value = greatest\_tot\_vol

End Sub