Sub Stockmarket()

' Create variables

Dim ws As Integer

Dim Summary\_Table\_Row As Integer

Dim Ticker\_name As String

Dim Yearly\_Change\_Value As Double

Dim Percent\_Change\_Value As Double

Dim Total\_Stock\_Volumn As Double

Dim First\_Day\_Value As Double

Dim Last\_Day\_Value As Double

Dim LastRow As Double

' Loop through all sheets

For ws = 1 To Sheets.Count

Sheets(ws).Activate

' Attribute titles to rows

Range("I1").Value = "Ticker"

Range("J1").Value = "Yearly Change"

Range("K1").Value = "Percent Change"

Range("L1").Value = "Total Stock Volume"

Range("O2").Value = "Greatest % Increase"

Range("O3").Value = "Greatest % Decrease"

Range("O4").Value = "Greatest Total Volume"

Range("P1").Value = "Ticker"

Range("Q1").Value = "Value"

' Attribute initial values for variables

Summary\_Table\_Row = 1

yearly\_change = 0

Percent\_Change\_Value = 0

Total\_Stock\_Volumn = 0

First\_Day\_Value = 0

' Count the numbers of rows

LastRow = Range("A" & Rows.Count).End(xlUp).Row

' Loop through the rows

For i = 2 To LastRow

' Insert value for the ticker column

Ticker\_name = Cells(i, 1).Value

'Get stock value of the first day of the year

If First\_Day\_Value = 0 Then

First\_Day\_Value = Cells(i, 3).Value

End If

'Insert values for total stock volumn

Total\_Stock\_Volumn = Total\_Stock\_Volumn + Cells(i, 7).Value

'Search for when the value in rows changes

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

'add summary table row everytime loop reaches a different ticker in ws

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

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

'Get stock value for the last day of the year

Last\_Day\_Value = Cells(i, 6).Value

'Get stock value for the yearly change

yearly\_change = (Last\_Day\_Value - First\_Day\_Value)

'print price change in destination

Range("J" & Summary\_Table\_Row).Value = yearly\_change

'Get stock value for the percent change

If First\_Day\_Value = 0 Then

Percent\_Change\_Value = 0

Else

Percent\_Change\_Value = yearly\_change / First\_Day\_Value

End If

'format percent\_change\_value as a percentage and print into destination

Range("K" & Summary\_Table\_Row).Value = Format(Percent\_Change\_Value, "percent")

'Insert values for total stock volumn

Range("L" & Summary\_Table\_Row).Value = Total\_Stock\_Volumn

'Reset the total stock volumn

Total\_Stock\_Volumn = 0

First\_Day\_Value = 0

'Colour in the yearly changes

If yearly\_change > 0 Then

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

ElseIf yearly\_change < 0 Then

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

End If

End If

Next i

'Challenge: find the greatest values

'Attribute initial variables for greateast changes

greatest\_percent\_increase = Cells(2, 11).Value

greatest\_percent\_increase\_ticker = Cells(2, 9).Value

greatest\_percent\_decrease = Cells(2, 11).Value

greatest\_percent\_decrease\_ticker = Cells(2, 9).Value

greatest\_stock\_volume = Cells(2, 12).Value

greatest\_stock\_volume\_ticker = Cells(2, 9).Value

For j = 2 To LastRow

'Find the greatest percent increase and their tickers

If Range("K" & j).Value > greatest\_percent\_increase Then

greatest\_percent\_increase = Range("K" & j).Value

greatest\_percent\_increase\_ticker = Range("K" & j).Value

End If

'Find the greatest percent decrease and their tickers

If Range("K" & j).Value < greatest\_percent\_decrease Then

greatest\_percent\_decrease = Range("K" & j).Value

greatest\_percent\_decrease\_ticker = Range("K" & j).Value

End If

'Find the greatest stock volumn and their tickers

If Cells(i, 12).Value > greatest\_stock\_volume Then

greatest\_stock\_volume = Cells(i, 12).Value

greatest\_stock\_volume\_ticker = Cells(i, 9).Value

End If

Next j

' Add the values to table

Range("P2").Value = greatest\_percent\_increase\_ticker

Range("Q2").Value = greatest\_percent\_increase

Range("Q2").NumberFormat = "0.00%"

Range("P3").Value = greatest\_percent\_decrease\_ticker

Range("Q3").Value = greatest\_percent\_decrease

Range("Q3").NumberFormat = "0.00%"

Range("P4").Value = greatest\_stock\_volume\_ticker

Range("Q4").Value = greatest\_stock\_volume

Next ws

End Sub