**Answer to Moderate portion of homework**

Sub Stocks\_\_Moderate()

' Making sure looping is done to all pages

Dim WS As Worksheet

For Each WS In ActiveWorkbook.Worksheets

WS.Activate

'Identify Variables to hold values

Dim Open\_Price As Double

Dim Close\_Price As Double

Dim Yearly\_Change As Double

Dim Ticker\_Name As String

Dim Percent\_Change As Double

Dim Volume As Double

Volume = 0

Dim Row As Double

Row = 2

Dim Column As Integer

Column = 1

Dim i As Long

' Determine the Last Row

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

' Create Summary Table with headings

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

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

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

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

'Set Initial Open Price

Open\_Price = Cells(2, Column + 2).Value

' Loop through all ticker symbols

For i = 2 To LastRow

' Check if we are still within the same ticker symbol, if not....

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

' Set Ticker name

Ticker\_Name = Cells(i, Column).Value

Cells(Row, Column + 8).Value = Ticker\_Name

' Set Close Price

Close\_Price = Cells(i, Column + 5).Value

' Add Yearly Change

Yearly\_Change = Close\_Price - Open\_Price

Cells(Row, Column + 9).Value = Yearly\_Change

' Add Percent Change

If (Open\_Price = 0 And Close\_Price = 0) Then

Percent\_Change = 0

ElseIf (Open\_Price = 0 And Close\_Price <> 0) Then

Percent\_Change = 1

Else

Percent\_Change = Yearly\_Change / Open\_Price

Cells(Row, Column + 10).Value = Percent\_Change

Cells(Row, Column + 10).NumberFormat = "0.00%"

End If

' Add Total Volume

Volume = Volume + Cells(i, Column + 6).Value

Cells(Row, Column + 11).Value = Volume

' Add one to the summary table row

Row = Row + 1

' reset the Open Price

Open\_Price = Cells(i + 1, Column + 2)

' reset the Volume Total

Volume = 0

'if cells are the same ticker

Else

Volume = Volume + Cells(i, Column + 6).Value

End If

Next i

' Determine the Last Row of Yearly Change per WS

YCLastRow = WS.Cells(Rows.Count, Column + 8).End(xlUp).Row

' Set the Cell Colors

For j = 2 To YCLastRow

If (Cells(j, Column + 9).Value > 0 Or Cells(j, Column + 9).Value = 0) Then

Cells(j, Column + 9).Interior.ColorIndex = 10

ElseIf Cells(j, Column + 9).Value < 0 Then

Cells(j, Column + 9).Interior.ColorIndex = 3

End If

Next j

Next WS

End Sub