Sub Calculations()

Dim LastRow As Long

Dim YearlyChange As Double

Dim PctChange As Double

Dim YearlyVolume As Double

Dim TickerSymbol As String

Dim Row As Long

Dim OutputLine As Integer

Dim OpenPrice As Double

Dim ClosePrice As Double

For Each ws In Worksheets

' Initialize the variables

LastRow = ws.Cells(Rows.Count, 1).End(xlUp).Row 'Determine the Last Row

YearlyVolume = 0

OutputLine = 2

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

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

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

ws.Range("L1") = "Total Volume"

ws.Range("N2") = "Greatest % Increase"

ws.Range("N3") = "Greatest % Decrease"

ws.Range("N4") = "Greatest Volume"

ws.Range("o1") = "Ticker"

ws.Range("p1") = "Value"

'loop through each sheet and summarize by ticker symbol

For Row = 2 To LastRow

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

OpenPrice = ws.Cells(Row, 3).Value

End If

YearlyVolume = YearlyVolume + ws.Cells(Row, 7).Value

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

'MsgBox (ws.Cells(Row, 1).Value)

ClosePrice = ws.Cells(Row, 6).Value

YearlyChange = ClosePrice - OpenPrice

If OpenPrice <> 0 Then

PctChange = YearlyChange / OpenPrice

Else

PctChange = 0

End If

ws.Cells(OutputLine, 9).Value = ws.Cells(Row, 1).Value

ws.Cells(OutputLine, 10).Value = YearlyChange

If YearlyChange >= 0 Then

ws.Cells(OutputLine, 10).Interior.ColorIndex = 4

Else

ws.Cells(OutputLine, 10).Interior.ColorIndex = 3

End If

ws.Cells(OutputLine, 11).Value = PctChange

ws.Cells(OutputLine, 12).Value = YearlyVolume

YearlyVolume = 0

OutputLine = OutputLine + 1

End If

Next Row

'initialize the variables for the summary statistics

Dim SummaryLastRow As Double

Dim GreatPctIncrease As Double

Dim GreatPctDecrease As Double

Dim GreatVolume As Double

Dim VolumeTicker As String

Dim LowTicker As String

Dim HighTicker As String

SummaryLastRow = ws.Cells(Rows.Count, 9).End(xlUp).Row 'Determine the Last Row

GreatPctIncrease = 0

GreatPctDecrease = 0

GreatVolume = 0

'loop through the summary by ticker symbol data and find the largest gain, loss and volume

For Row = 2 To SummaryLastRow

If ws.Cells(Row, 11).Value > GreatPctIncrease Then

GreatPctIncrease = ws.Cells(Row, 11).Value

HighTicker = ws.Cells(Row, 9).Value

End If

If ws.Cells(Row, 11).Value < GreatPctDecrease Then

GreatPctDecrease = ws.Cells(Row, 11).Value

LowTicker = ws.Cells(Row, 9).Value

End If

If ws.Cells(Row, 12).Value > GreatVolume Then

GreatVolume = ws.Cells(Row, 12).Value

VolumeTicker = ws.Cells(Row, 9).Value

End If

Next Row

ws.Range("o2") = HighTicker

ws.Range("o3") = LowTicker

ws.Range("o4") = VolumeTicker

ws.Range("p2") = GreatPctIncrease

ws.Range("p3") = GreatPctDecrease

ws.Range("p4") = GreatVolume

Next ws

End Sub