Sub Hard()

Dim ticker As String

Dim TotalStockVolume As Double

Dim OpenPrice As Double

Dim ClosePrice As Double

Dim YearlyChange As Double

Dim PercentIncrease As Double

Dim Summary\_Table\_Row As Integer

Summary\_Table\_Row = 2

Dim RowsInSheet As Long

RowsInSheet = Cells(Rows.Count, "A").End(xlUp).Row

Range("I" & 1) = "Ticker"

Range("J" & 1) = "Yearly Change"

Range("K" & 1) = "Percentage Change"

Range("L" & 1) = "Total Stock Volume"

Range("P" & 1) = "Ticker"

Range("Q" & 1) = "Value"

Range("O" & 2) = "Greatest%Increase"

Range("O" & 3) = "Greatest%Decrease"

Range("O" & 4) = "GreatestTotalVolume"

Dim GreatestPercentIncrease As Double

Dim GreatestPercentDecrease As Double

Dim GreatestTotalVolume As Double

GreatestPercentIncrease = 0

GreatestPercentDecrease = 0

GreatestTotalVolume = 0

Dim GreatestPercentIncreaseTicker As String

Dim GreatestPercentDecreaseTicker As String

Dim GreatestTotalVolumeTicker As String

TotalStockVolume = 0

ticker = Cells(2, 1).Value

OpenPrice = Cells(2, 3).Value

For i = 2 To RowsInSheet

TotalStockVolume = TotalStockVolume + (Cells(i, 7).Value / 1000000)

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

ClosePrice = Cells(i, 5).Value

YearlyChange = ClosePrice - OpenPrice

If OpenPrice = 0 Then

PercentIncrease = 0

Else

PercentIncrease = ((ClosePrice - OpenPrice) / OpenPrice) \* 100

End If

' copy to summary table

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

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

Range("K" & Summary\_Table\_Row).Value = PercentIncrease

Range("L" & Summary\_Table\_Row).Value = (TotalStockVolume \* 1000000)

' Color code the cells so that the negative value has Green

If Cells(Summary\_Table\_Row, 11).Value >= 0 Then

Cells(Summary\_Table\_Row, 11).Interior.ColorIndex = 4

Else

Cells(Summary\_Table\_Row, 11).Interior.ColorIndex = 3

End If

'Greatest percent increase

If PercentIncrease > GreatestPercentIncrease Then

GreatestPercentIncrease = PercentIncrease

GreatestPercentIncreaseTicker = ticker

End If

'Greatest percent decrease

If PercentIncrease < GreatestPercentDecrease Then

GreatestPercentDecrease = PercentIncrease

GreatestPercentDecreaseTicker = ticker

End If

'Greatest total volume

If TotalStockVolume > GreatestTotalStockVolume Then

GreatestTotalStockVolume = TotalStockVolume

GreatestTotalStockVolumeTicker = ticker

End If

' reset variables for next ticker calculation

TotalStockVolume = 0

ticker = Cells(i + 1, 1).Value

OpenPrice = Cells(i + 1, 3).Value

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

End If

Next i

Range("P" & 2) = GreatestPercentIncreaseTicker

Range("Q" & 2) = GreatestPercentIncrease

Range("P" & 3) = GreatestPercentDecreaseTicker

Range("Q" & 3) = GreatestPercentDecrease

Range("P" & 4) = GreatestTotalStockVolumeTicker

Range("Q" & 4) = GreatestTotalStockVolume \* 1000000

End Sub