' Calculate greatest % increase, decrease, and total stock volume exchanged

'

Sub CalculateGreatestValue()

Dim vMaxPctIncrease As Double

Dim vMaxPctTickerName As String

Dim vMinPctIncrease As Double

Dim vMinPctTickerName As String

Dim vMaxTotStkVolume As Double

Dim vCurrPctChange As Double

Dim vCurrTickerName As String

Dim vCurrTotStkVolumne As Double

' Setup greatest value table header

Range("O1") = "Ticker"

Range("P1") = "Value"

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

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

Range("N4") = "Greatest Total Stock Volume"

' Assign value for the first row read

vMaxPctIncrease = Cells(2, 11)

vMinPctIncrease = Cells(2, 11)

vMaxPctTickerName = Cells(2, 9)

vMinPctTickerName = Cells(2, 9)

vTickerName = Cells(2, 9)

vTotStkVolume = Cells(2, 12)

Range("K1").Select

Range(Selection, Selection.End(xlDown)).Select

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

' Loop thru Summary Table to find Greatest % Increase

For i = 2 To vLastRow

vCurrPctChange = Cells(i, 11)

vCurrTotStkVolume = Cells(i, 12)

vCurrTickerName = Cells(i, 9)

' Find Greatest Percentage Increase

If vCurrPctChange > vMaxPctIncrease Then

vMaxPctTickerName = vCurrTickerName

vMaxPctIncrease = vCurrPctChange

End If

' Find Greatest Percentage Decrease

If vCurrPctChange < vMinPctIncrease Then

vMinPctTickerName = vCurrTickerName

vMinPctIncrease = vCurrPctChange

End If

' Find Greatest Total Stock Volume

If vCurrTotStkVolume > vTotStkVolume Then

vTickerName = vCurrTickerName

vTotStkVolume = vCurrTotStkVolume

End If

Next i

' Print the Ticker Name and its relavant details to the greater value table

Range("O2") = vMaxPctTickerName

Range("P2") = vMaxPctIncrease

Range("O3") = vMinPctTickerName

Range("P3") = vMinPctIncrease

Range("O4") = vTickerName

Range("P4") = vTotStkVolume

Range("I1").Select

End Sub