Sub VBAofWallStreet()

'[MODERATE]

' Set initial variable to hold Volume of Stock

Dim StockVolume As Double

StockVolume = 0

' Keeps track of what row to insert new line

Dim NewRow As Long

NewRow = 2

Dim OpeningPrice As Double

' Set variable for Percent Change

Dim PercentChange As Double

' Find last row

Dim LastRow As Long

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

' Insert Ticker column title

Cells(1, 9).Value = "Ticker"

' Insert Ticker column title

Cells(1, 10).Value = "Yearly"

' Insert Ticker column title

Cells(1, 11).Value = "Percent Change"

Cells(1, 11).ColumnWidth = 14

' Insert Ticker column title

Cells(1, 12).Value = "Total Stock Volume"

Cells(1, 12).ColumnWidth = 16

' Loop through all tickers

For i = 2 To LastRow

' Check that the next ticker is still the same

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

' Set ticker name

TickerName = Cells(i, 1).Value

' Find opening price

OpeningPrice = Cells(i - OpeningPriceRow, 3).Value

' Calculate Yearly Change

YearlyChange = Cells(i, 6).Value - Cells(i - OpeningPriceRow, 3).Value

' Add to the Total Stock Volume

StockVolume = StockVolume + Cells(i, 7).Value

' Calculate Percent Change

If YearlyChange = 0 Or (YearlyChange - Cells(i, 6).Value) = 0 Then

PercentChange = 0

Else

PercentChange = -YearlyChange / (YearlyChange - Cells(i, 6).Value)

End If

' Print Ticker

Range("I" & NewRow).Value = TickerName

' Print opening and closing difference

Range("J" & NewRow).Value = YearlyChange

'Add conditional formatting for interior color on Yearly Change

If YearlyChange > 0 Then

Range("J" & NewRow).Interior.ColorIndex = 4

ElseIf YearlyChange < 0 Then

Range("J" & NewRow).Interior.ColorIndex = 3

Else

Range("J" & NewRow).Interior.ColorIndex = 2

End If

' Print opening and closing difference

Range("K" & NewRow).Value = PercentChange

' Format the Percent Change to be a percentage with 2 decimal places

Range("K" & NewRow).NumberFormat = "0.00%"

'Print Total Stock Volume

Range("L" & NewRow).Value = StockVolume

'Reset StockVolume

StockVolume = 0

'Reset OpeningPriceRow

OpeningPriceRow = 0

'Add one to NewRow

NewRow = NewRow + 1

Else

' Add to Stock Volume

StockVolume = StockVolume + Cells(i, 7).Value

'Add to Opening Price Row

OpeningPriceRow = OpeningPriceRow + 1

End If

Next i

'[HARD]

Dim HardLastRow As Long

HardLastRow = Cells(Rows.Count, 9).End(xlUp).Row

' Insert Ticker column title

Cells(1, 16).Value = "Ticker"

' Insert Value column title

Cells(1, 17).Value = "Value"

' Insert Greatest % Inc column title

Cells(2, 15).Value = "Greatest % Increase"

' Insert Greatest % Dec column title

Cells(3, 15).Value = "Greatest % Decrease"

' Insert Greatest Total Vol title

Cells(4, 15).Value = "Greatest Total Volume"

Cells(4, 15).ColumnWidth = 19

' Loop through all tickers to find greatest %'s

For i = 2 To HardLastRow

If Cells(i + 1, 11).Value > GreatestInc Then

GreatestInc = Cells(i + 1, 11).Value

IncTicker = Cells(i + 1, 9).Value

ElseIf Cells(i + 1, 11).Value < GreatestDec Then

GreatestDec = Cells(i + 1, 11).Value

DecTicker = Cells(i + 1, 9).Value

End If

Next i

' Print Greatest % Increase

Cells(2, 16).Value = IncTicker

Cells(2, 17).Value = GreatestInc

Cells(2, 17).NumberFormat = "0.00%"

' Print Greatest % Decrease

Cells(3, 16).Value = DecTicker

Cells(3, 17).Value = GreatestDec

Cells(3, 17).NumberFormat = "0.00%"

' Loop through all tickers to find greatest vol

For i = 2 To HardLastRow

If Cells(i + 1, 12).Value > GreatestVol Then

GreatestVol = Cells(i + 1, 12).Value

VolTicker = Cells(i + 1, 9).Value

End If

Next i

' Print Greatest % Increase

Cells(4, 16).Value = VolTicker

Cells(4, 17).Value = GreatestVol

Cells(4, 17).ColumnWidth = 14

End Sub