Sub Stock\_Analysis()

'To loop through the worksheets

Dim WS\_Count As Integer

Dim w As Integer

Dim current As Worksheet

Dim LR As Long

'Set WS\_Count to equal the number of worksheets in the active workbook

WS\_Count = ActiveWorkbook.Worksheets.Count

'starting a loop

For Each current In Worksheets

'Create new Headers

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

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

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

current.Range("L1") = "Total Stock Volume"

'Set variables

Dim ticker\_type As String

Dim total As Double

Dim open\_value As Double

Dim close\_value As Double

'Setting to Column A (to read Ticker) and Row to 2(to display)

Column = 1

Row = 2

total = 0

'Finding LastRow

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

'MsgBox LR

'Looping from 2nd to lastRow

For I = 2 To LR

If total = 0 Then

open\_value = current.Cells(I, 3).Value

End If

ticker\_type = current.Cells(I, Column)

current.Cells(Row, 9) = ticker\_type

total = total + current.Cells(I, 7).Value

If current.Cells(I + 1, Column) <> current.Cells(I, Column) Then

current.Cells(Row, 12) = total

close\_value = current.Cells(I, 6)

current.Cells(Row, 10) = close\_value - open\_value

If current.Cells(Row, 10) >= 0 Then

current.Cells(Row, 10).Interior.ColorIndex = 4

Else: current.Cells(Row, 10).Interior.ColorIndex = 3

End If

current.Cells(Row, 11) = Round(((close\_value - open\_value) \* 100 / open\_value), 2)

Row = Row + 1

total = 0

End If

Next I

Next

Greatest\_Increase

Greatest\_Decrease

Greatest\_Total\_Volume

End Sub

'To find the greatest percentage of increase in value and the ticker it belongs to

Sub Greatest\_Increase()

'Set the variables

Dim max As Double

Dim LR As Long

Dim WS\_Count As Integer

Dim tick As String

Dim greatest As Double

'Starting at max value of 0

max = 0

WS\_Count = ActiveWorkbook.Worksheets.Count

'Looping through all the worksheets

For Each current In Worksheets

LR = current.Cells(Rows.Count, 10).End(xlUp).Row

'Looping to check for greatest value

For I = 2 To LR

If current.Cells(I, 11).Value > max Then

max = current.Cells(I, 11).Value

End If

Next I

Next

'To display the ticker with the greatest Increase

For Each current In Worksheets

LR = current.Cells(Rows.Count, 10).End(xlUp).Row

For I = 2 To LR

If current.Cells(I, 11).Value = max Then

tick = current.Cells(I, 1).Value

'MsgBox tick

End If

Next I

Next

'Assigning display locations

max = Round(max, 2)

Sheet1.Range("N3") = "Greatest % Increase"

Sheet1.Range("O2") = "Ticker"

Sheet1.Range("P2") = "Value"

Sheet1.Range("P2").HorizontalAlignment = xlCenter

Sheet1.Range("P3") = max

Sheet1.Range("O3") = tick

End Sub

'To find the Greatest % Decrease in value and the ticker it belongs to

Sub Greatest\_Decrease()

'Set the variables

Dim min As Double

Dim LR As Long

Dim WS\_Count As Integer

Dim Min\_tick As String

'Initialising minimum count to 0

min = 0

WS\_Count = ActiveWorkbook.Worksheets.Count

'Looping through each sheet

For Each current In Worksheets

LR = current.Cells(Rows.Count, 10).End(xlUp).Row

'MsgBox LR

For I = 2 To LR

If current.Cells(I, 11).Value < min Then

min = current.Cells(I, 11).Value

End If

Next I

Next

'To display the ticker with the greatest Decrease

For Each current In Worksheets

LR = current.Cells(Rows.Count, 10).End(xlUp).Row

For I = 2 To LR

If current.Cells(I, 11).Value = min Then

Min\_tick = current.Cells(I, 1).Value

'MsgBox Min\_tick

End If

Next I

Next

min = Round(min, 2)

'MsgBox min

'Assigning display locations

Sheet1.Range("N4") = "Greatest % Decrease"

Sheet1.Range("O4") = Min\_tick

Sheet1.Range("P4") = min

End Sub

'To find the ticker with the highest total volume and display both

Sub Greatest\_Total\_Volume()

Dim vol As Double

Dim LR As Long

Dim WS\_Count As Integer

Dim max\_vol\_tick As String

'Initialising volume to 0

vol = 0

WS\_Count = ActiveWorkbook.Worksheets.Count

'Looping through each sheet

For Each current In Worksheets

LR = current.Cells(Rows.Count, 12).End(xlUp).Row

For I = 2 To LR

If current.Cells(I, 12).Value > vol Then

vol = current.Cells(I, 12).Value

End If

Next I

'Next Worksheet

Next

'To display the ticker with the Highest volume

For Each current In Worksheets

LR = current.Cells(Rows.Count, 10).End(xlUp).Row

For I = 2 To LR

If current.Cells(I, 12).Value = vol Then

max\_vol\_tick = current.Cells(I, 1).Value

'MsgBox max\_vol\_tick

End If

Next I

Next

'Assigning display locations and column width

Sheet1.Range("N5") = "Greatest Total Volume"

Sheet1.Columns("N").ColumnWidth = 25

Sheet1.Range("O5") = max\_vol\_tick

Sheet1.Columns("P").ColumnWidth = 20

Sheet1.Range("P5") = vol

End Sub