Sub Stockcalculations()

Dim LastRow As Long

Dim currentValue As Variant 'could put this as string

Dim currentRow As Long

Dim openstock, closestock, yearlychange As Single

Dim ws As Worksheet

Dim Percentagecolumn As Range

For Each ws In ThisWorkbook.Worksheets

ws.Activate

'assign headers to each of the columns

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

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

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

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

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

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

'assign values for the table rows

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

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

Cells(4, 15).Value = "Greatest total volume"

' Get the last row of data in column A

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

' Set the initial currentvalue in the ticker column as the value in A2

currentValue = Range("A2").Value

' Set the initial row to transfer the value to as row 2 in column I

currentRow = 2

'setting the first openstock (note the other way of writing this would have been Cells(2,3).Value

openstock = Range("C2").Value

'set the stockvolume to zero

totalstockvolume = 0

' Loop through the values in column A

For i = 2 To LastRow

'totalstockvolume summed up

totalstockvolume = totalstockvolume + Cells(i, "G").Value

' Check if the current value is different from the value in the previous row

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

'CALCULATION Section

'find the closing stock price from ColumnF

closestock = Cells(i, "F").Value

'calculate the yearlychange

yearlychange = closestock - openstock

'calculate the percentage change in stock which is yearly change over opening

Cells(currentRow, "k").Value = yearlychange / openstock

'ensuring the values in column K are rounded to 2dp and are in percantage form

Cells(currentRow, "k").NumberFormat = "0.00%"

'conditional formating of the percentage where red is negative

If yearlychange > 0 Then

'make the background colour green

Cells(currentRow, "k").Interior.Color = RGB(0, 255, 0)

'otherwise make the background red

ElseIf yearlychange < 0 Then 'didn't really have to use ElseIf could have used Else

Cells(currentRow, "k").Interior.Color = RGB(255, 0, 0)

End If

'PRINTING section

'transfer the current value to the new row in column 9

Cells(currentRow, "I").Value = currentValue

'set the yearlychange to Column J

Cells(currentRow, "J").Value = yearlychange

'set the totalstockvolume to print to correct cell

Cells(currentRow, "L").Value = totalstockvolume

'UPDATE OF VALUES SECTION

' Set the current value to the new value

currentValue = Cells(i + 1, "A").Value

' Increment the current row by 1 and

currentRow = currentRow + 1

'take the opening stock price from column C

openstock = Cells(i + 1, "C")

'reset the stockvolume to zero

totalstockvolume = 0

End If

Next i

Next ws

End Sub

Sub FindingMaxPercentageIncrease()

Dim maxVal As Double

Dim LastRow As Long, x As Long

Dim tickervalue As String

For Each ws In ThisWorkbook.Worksheets

ws.Activate

LastRow = Range("A" & Rows.Count).End(xlUp).Row

For x = 2 To LastRow

If Range("K" & x).Value >= maxVal Then

maxVal = Range("K" & x).Value

tickervalue = Range("I" & x).Value

End If

Next x

Cells(2, "Q").Value = maxVal

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

'Print the ticker for same row

Cells(2, "P").Value = tickervalue

Debug.Print maxVal

Next ws

End Sub

Sub FindingMaxPercentageDecrease()

Dim maxVal As Double

Dim LastRow As Long, x As Long

Dim tickervalue As String

For Each ws In ThisWorkbook.Worksheets

ws.Activate

LastRow = Range("A" & Rows.Count).End(xlUp).Row

For x = 2 To LastRow

If Range("k" & x).Value <= maxVal Then

maxVal = Range("K" & x).Value

tickervalue = Range("I" & x).Value

End If

Next x

'print the maxval in the summary table

Cells(3, "Q").Value = maxVal

'format this cell as a percentage

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

'still can't get the ticker for same row

Cells(3, "P").Value = tickervalue

Next ws

Debug.Print maxVal

End Sub

Sub Findingmaxstockvalue()

Dim maxVal As Double

Dim LastRow As Long, x As Long

Dim tickervalue As String

For Each ws In ThisWorkbook.Worksheets

ws.Activate

LastRow = Range("A" & Rows.Count).End(xlUp).Row

For x = 2 To LastRow

If Range("L" & x).Value >= maxVal Then

maxVal = Range("L" & x).Value

tickervalue = Range("I" & x).Value

End If

Next x

Cells(4, "Q").Value = maxVal

Cells(4, "P").Value = tickervalue

Debug.Print maxVal

Next ws

End Sub