Sub test\_20240720\_2()

' Set an initial variable for holding the Ticker

Dim ws As Worksheet

Dim lastrow As Long

Dim Ticker As String

Dim OpeningPrice As Double

Dim ClosingPrice As Double

Dim volume As Long

Dim QuarterlyChange As Double

Dim PercentChange As Double

Dim TotalStockVolume As Double

Dim Summary\_Table\_Row As Double

Dim MaxPercentIncrease As Double

Dim MaxPercentDecrease As Double

Dim MaxTotalVolume As Double

Dim MaxPercentIncreaseTicker As String

Dim MaxPercentDecreaseTicker As String

Dim MaxTotalVolumeTicker As String

Dim rng As Range

For Each ws In ThisWorkbook.Worksheets

'Using whole column in code with header row, subract 1 row, so function starts on row 2

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

' Keep track of the location for each Ticker in the summary table

Summary\_Table\_Row = 2

'-----------------------section below used for column and cell labels, section 1

'Assigning a value to a cell in column I at the row specified by Summary\_Table\_Row

ws.Cells(Summary\_Table\_Row - 1, 9).Value = "Ticker"

'Assigning a value to a cell in column J at the row specified by Summary\_Table\_Row

ws.Cells(Summary\_Table\_Row - 1, 10).Value = "Quarterly Change"

'Assigning a value to a cell in column K at the row specified by Summary\_Table\_Row

ws.Cells(Summary\_Table\_Row - 1, 11).Value = "Percent Change"

'Assigning a value to a cell in column L at the row specified by Summary\_Table\_Row

ws.Cells(Summary\_Table\_Row - 1, 12).Value = "Total Stock Volume"

'------------------------section below used for column and cell labels, section 2

'Assigning a value to a cell in column O at the row specified by Summary\_Table\_Row

ws.Cells(Summary\_Table\_Row, 15).Value = "Greatest % Increase"

'Assigning a value to a cell in column O at the row specified by Summary\_Table\_Row

ws.Cells(Summary\_Table\_Row + 1, 15).Value = "Greatest % Decrease"

'Assigning a value to a cell in column O at the row specified by Summary\_Table\_Row

ws.Cells(Summary\_Table\_Row + 2, 15).Value = "Greatest Total Volume"

'Assigning a value to a cell in column P on row 1

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

'Assigning a value to a cell in column Q on row 1

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

'------------------------section below begins for loop i

'Initialize variables for the first row of data starting points

Ticker = ws.Cells(2, 1).Value

OpeningPrice = ws.Cells(2, 3).Value

ClosingPrice = ws.Cells(2, 6).Value

volume = ws.Cells(2, 7).Value

'Loop through all Tickers

For i = 2 To lastrow

' Check if we are still within the same Ticker, if it is not...

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

'Set the ClosingPrice for the last date

ClosingPrice = ws.Cells(i, 6).Value

QuarterlyChange = ClosingPrice - OpeningPrice

PercentChange = (ClosingPrice - OpeningPrice) / OpeningPrice \* 100

'Check for Greatest Percentage Increase

If PercentChange > MaxPercentIncrease Then

MaxPercentIncrease = PercentChange

MaxPercentIncreaseTicker = Ticker

End If

'Check for Greatest Percentage Decrease

If PercentChange < MaxPercentDecrease Then

MaxPercentDecrease = PercentChange

MaxPercentDecreaseTicker = Ticker

End If

'Update the loop to track the Greatest Total Volume

If TotalStockVolume > MaxTotalVolume Then

MaxTotalVolume = TotalStockVolume

MaxTotalVolumeTicker = Ticker

End If

'Add the volume of the current row to the totalstockvolume

TotalStockVolume = TotalStockVolume + ws.Cells(i, 7).Value

'output the data results to the ws or store where needed for loop i

ws.Cells(Summary\_Table\_Row, 9).Value = Ticker

ws.Cells(Summary\_Table\_Row, 10).Value = QuarterlyChange

ws.Cells(Summary\_Table\_Row, 11).Value = PercentChange

ws.Cells(Summary\_Table\_Row, 12).Value = TotalStockVolume

ws.Cells(2, 16).Value = MaxPercentIncreaseTicker

ws.Cells(3, 16).Value = MaxPercentDecreaseTicker

ws.Cells(4, 16).Value = MaxTotalVolumeTicker

ws.Cells(2, 17).Value = MaxPercentIncrease

ws.Cells(3, 17).Value = MaxPercentDecrease

ws.Cells(4, 17).Value = MaxTotalVolume

Set rng = ws.Cells(Summary\_Table\_Row, 11)

rng.NumberFormat = "0.00%"

ws.Range("Q2").NumberFormat = "0.00%"

ws.Range("Q3").NumberFormat = "0.00%"

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

'Reset the TotalSTockVolume for the next Ticker

TotalStockVolume = 0

Ticker = ws.Cells(i + 1, 1).Value

OpeningPrice = ws.Cells(i + 1, 3).Value

Else

'Add the volume of the current row to the totalstockvolume (Yes, this 2nd entry is gold.)

TotalStockVolume = TotalStockVolume + ws.Cells(i, 7).Value

End If

Next i

For n = 2 To ws.Cells(ws.Rows.Count, 10).End(xlUp).Row

If ws.Cells(n, 10).Value > 0 Then

ws.Cells(n, 10).Interior.Color = RGB(0, 255, 0)

ElseIf ws.Cells(n, 10).Value < 0 Then

ws.Cells(n, 10).Interior.Color = RGB(255, 0, 0)

Else: ws.Cells(n, 10).Interior.ColorIndex = x1None 'No color for zero

End If

Next n

Next ws

End Sub