VBA Challenge

Code to run sheet by sheet

'bring unique ticker on same sheet

Sub ticker()

' Set an initial variable for holding the ticker symbol and values

Dim Ticker\_Symbol As String

Dim Op As Double

Dim Cl As Double

Dim PrChange As Long

Dim YrChange As Long

Dim PercentChange As Integer

Dim Closing As Long

Dim Opening As Long

Dim GreatestValue As Double

Dim TickerV As String

Dim GreatestIncrease As Double

Dim GreatestDecrease As Double

' Set an initial variable for holding Total Stock Volume

Dim TotalStockVolume As Double

TotalStockVolume = 0

' Keep track of the location for each ticker symbol in the summary table

Dim Stock\_Summary\_Row As Integer

Stock\_Summary\_Row = 2

'Last row

RowCount = Cells(Rows.Count, "A").End(xlUp).Row

' Loop through all ticker symbols

TickerSymbol = Cells(2, 1)

For i = 1 To RowCount

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

If i = 1 Then

Op = Cells(2, 3).Value

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

' Set the Ticker symbol

Ticker\_Symbol = Cells(i, 1).Value

' Print the Ticker Symbol in the summary table

Range("I" & Stock\_Summary\_Row).Value = Ticker\_Symbol

'Add to the Total Stock Volume

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

'Print the TotalStockVolume to the summary table

Range("L" & Stock\_Summary\_Row).Value = TotalStockVolume

'Cl, Op, Yearly Change balance

Cl = Cells(i, 6).Value

Op = Cells(i + 1, 3).Value

Range("J" & Stock\_Summary\_Row - 1).Value = Range("N" & Stock\_Summary\_Row - 1).Value - Range("M" & Stock\_Summary\_Row - 1).Value

'Print cl, op balance

Range("N" & Stock\_Summary\_Row).Value = Cl

Range("M" & Stock\_Summary\_Row + 1).Value = Op

Cells(2, 13).Value = Cells(2, 3).Value

' Add one to the summary table row

Stock\_Summary\_Row = Stock\_Summary\_Row + 1

'Reset TotalStockVolume

TotalStockVolume = 0

'If next row has different ticker

Else

'Add to total stock

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

Cl = Cells(i + 1, 6).Value

YrChange = Cl - Op

End If

Next i

Range("I1:L1").Value = Array("Ticker", "Yearly Change", "Percent Change", "Total Stock Volume")

Range("O2:O2").Value = Array("Greatest % Increase")

Range("O3:O3").Value = Array("Greatest % Decrease")

Range("O4:O4").Value = Array("Greatest Total Value")

Range("Q1:P1").Value = Array("Ticker", "Volume")

Range("M1:N1").Value = Array("Opening", "Closing")

Range("I1:Q1").Font.Bold = True

Range("I:P").Columns.AutoFit

Range("J" & Stock\_Summary\_Row).Value = YrChange

'get percentage change

lastrow = Cells(Rows.Count, "I").End(xlUp).Row

For k = 2 To lastrow

If Cells(k, 13).Value <> 0 Then

Cells(k, 11).Value = (Cells(k, 14).Value - Cells(k, 13)) / Cells(k, 13).Value

Else: Cells(k, 13).Value = 0

End If

Next k

Range("K:K").NumberFormat = ("0.00%")

'get greatest value of ticker volume

GreatesVaule = Cells(2, 12).Value

TickerV = Cells(2, 9).Value

For g = 2 To lastrow

If Cells(g, 12).Value > GreatestValue Then

GreatestValue = Cells(g, 12).Value

TickerV = Cells(g, 9).Value

End If

Next g

Cells(4, 17) = GreatestValue

Cells(4, 16) = TickerV

'get greatest increase of percent change

GreatesIncrease = Cells(2, 11).Value

TickerV = Cells(2, 9).Value

For h = 2 To lastrow

If Cells(h, 11).Value > GreatestIncrease Then

GreatestIncrease = Cells(h, 11).Value

TickerV = Cells(h, 9).Value

End If

Next h

Cells(2, 17) = GreatestIncrease

Cells(2, 16) = TickerV

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

'get greatest decrease of percent change

GreatesDecrease = Cells(2, 11).Value

TickerV = Cells(2, 9).Value

For d = 2 To lastrow

If Cells(d, 11).Value < GreatestDecrease Then

GreatestDecrease = Cells(d, 11).Value

TickerV = Cells(d, 9).Value

End If

Next d

Cells(3, 17) = GreatestDecrease

Cells(3, 16) = TickerV

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

'color formatting

Dim c As Integer

For c = 2 To lastrow

If Cells(c, 10).Value > 0 Then

Cells(c, 10).Interior.Color = vbGreen

ElseIf Cells(c, 10).Value < 0 Then

Cells(c, 10).Interior.Color = vbRed

Else

Cells(c, 10).Interior.Color = vbnone

End If

Next c

End Sub

Table

Description automatically generated

Chart

Description automatically generated with medium confidence

A picture containing table

Description automatically generated