Text form of macros used in Stock Data VBA exercise. Excel file is too large for Github.

'To generate the ticker, yearly price change, percent change, and total stock volume

Sub StockData()

' LOOP THROUGH ALL SHEETS

' --------------------------------------------

Dim WS As Worksheet

For Each WS In ActiveWorkbook.Worksheets

WS.Activate

' Determine the Last Row

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

' Add Column Headers

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

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

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

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

'Determine the Variables

Dim OpeningPr As Double

Dim ClosingPr As Double

Dim YearlyCh As Double

Dim Ticker As String

Dim PercentCh As Double

Dim Stock As Double

Volume = 0

Dim Row As Double

Row = 2

Dim Column As Integer

Column = 1

Dim i As Long

'Set Starting point for Open Price Loop

OpeningPr = Cells(2, Column + 2).Value

' Set the ticker loop to generate in designated cells

For i = 2 To LastRow

' If the cells have differing tickers

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

' Set Ticker name

Ticker = Cells(i, Column).Value

Cells(Row, Column + 8).Value = Ticker

' Set Closing Price

ClosingPr = Cells(i, Column + 5).Value

' Add Yearly Change

YearlyCh = ClosingPr - OpeningPr

Cells(Row, Column + 9).Value = YearlyCh

' Add Percent Change

If (OpeningPr = 0 And ClosingPr = 0) Then

PercentCh = 0

ElseIf (OpeningPr = 0 And ClosingPr <> 0) Then

PercentCh = 1

Else

PercentCh = YearlyCh / OpeningPr

Cells(Row, Column + 10).Value = PercentCh

Cells(Row, Column + 10).NumberFormat = "0.00%"

End If

'Add Total Stock

Stock = Stock + Cells(i, Column + 6).Value

Cells(Row, Column + 11).Value = Volume

' Add one to the summary table row

Row = Row + 1

' reset the Opening Price

OpeningPr = Cells(i + 1, Column + 2)

' reset the Volumn Total

Volume = 0

'If the cells are the same ticker

Else

Volume = Volume + Cells(i, Column + 6).Value

End If

Next i

' Determine the Last Row of Yearly Change per WS

YCLastRow = WS.Cells(Rows.Count, Column + 8).End(xlUp).Row

' Set the Cell Colors to change depending on positive or negative trends

For j = 2 To YCLastRow

If (Cells(j, Column + 9).Value > 0 Or Cells(j, Column + 9).Value = 0) Then

Cells(j, Column + 9).Interior.ColorIndex = 10

ElseIf Cells(j, Column + 9).Value < 0 Then

Cells(j, Column + 9).Interior.ColorIndex = 3

End If

Next j

' Set Greatest % Increase, % Decrease, and Total Volume headers

Cells(2, Column + 14).Value = "Greatest % Increase"

Cells(3, Column + 14).Value = "Greatest % Decrease"

Cells(4, Column + 14).Value = "Greatest Total Volume"

Cells(1, Column + 15).Value = "Ticker"

Cells(1, Column + 16).Value = "Value"

' Search WS to find the needed values for greatest % increase, decrease, and total volume

For Z = 2 To YCLastRow

If Cells(Z, Column + 10).Value = Application.WorksheetFunction.Max(WS.Range("K2:K" & YCLastRow)) Then

Cells(2, Column + 15).Value = Cells(Z, Column + 8).Value

Cells(2, Column + 16).Value = Cells(Z, Column + 10).Value

Cells(2, Column + 16).NumberFormat = "0.00%"

ElseIf Cells(Z, Column + 10).Value = Application.WorksheetFunction.Min(WS.Range("K2:K" & YCLastRow)) Then

Cells(3, Column + 15).Value = Cells(Z, Column + 8).Value

Cells(3, Column + 16).Value = Cells(Z, Column + 10).Value

Cells(3, Column + 16).NumberFormat = "0.00%"

ElseIf Cells(Z, Column + 11).Value = Application.WorksheetFunction.Max(WS.Range("L2:L" & YCLastRow)) Then

Cells(4, Column + 15).Value = Cells(Z, Column + 8).Value

Cells(4, Column + 16).Value = Cells(Z, Column + 11).Value

End If

Next Z

Next WS

End Sub