Sub VbaChallenge\_new()

' Set Ws as a worksheet

Dim Ws As Worksheet

Dim SummaryTable As Boolean

Dim Spreadsheet As Boolean

SummaryTable = False

Spreadsheet = True

' Loop through the worksheets

For Each Ws In Worksheets

Dim TickerName As String

'TotalTicker

Dim TickerVolume As Double

TickerVolume = 0

'Setting the variables

Dim OpenPrice As Double

Dim ClosePrice As Double

Dim DeltaPrice As Double

Dim DeltaPercent As Double

'Setting variables for challenge

Dim MaxTicker As String

Dim MinTicker As String

Dim MaxPercent As Double

Dim MinPercent As Double

Dim MaxTotalVolume As String

Dim MaxVolume As Double

Dim SummaryTableRow As Long

SummaryTableRow = 2

Dim Lastrow As Long

Dim i As Long

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

'Titles for Summary Table'

If Need\_Summary\_Table\_Header Then

Ws.Range("I1").Value = "Ticker"

Ws.Range("J1").Value = "Yearly Change"

Ws.Range("K1").Value = "Percent Change"

Ws.Range("L1").Value = "Total Stock Volume"

'Titles for the Challenge'

Ws.Range("O2").Value = "Greatest % Increase"

Ws.Range("O3").Value = "Greatest % Decrease"

Ws.Range("O4").Value = "Greatest Total Volume"

Ws.Range("P1").Value = "Ticker"

Ws.Range("Q1").Value = "Value"

Else

SummaryTable = True

End If

'Open Price value

OpenPrice = Ws.Cells(2, 3).Value

' Looping though the row

For i = 2 To Lastrow

' Checking values of the same ticker'

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

TickerName Ws.Cells(i, 1).Value

'Calculating Yearly change and Percent change

ClosePrice = Ws.Cells(i, 6).Value

YearlyChange = ClosePrice - OpenPrice

' Check Division by 0 condition

If OpenPrice <> 0 Then

PercentChange = (Yearly / OpenPrice) \* 100

Else

MsgBox ("For " & TickerName & ", Row " & CStr(i) & ": OpenPrice =" & OpenPrice & ". Fix <open> field manually and save the spreadsheet.")

End If

'Ticker Volume

TickerVolume = TickerVolume + Ws.Cells(i, 7).Value

'Putting ticker to the column'

Ws.Range("I" & SummaryTable).Value = TickerName

Ws.Range("J" & SummaryTable).Value = YearlyChange

'Conditional formatting'

If (YearlyChange > 0) Then

Ws.Range("J" & SummaryTable).Interior.ColorIndex = 4

ElseIf (YearlyChange <= 0) Then

Ws.Range("J" & SummaryTable).Interior.ColorIndex = 3

End If

'Percent change'

Ws.Range("K" & SummaryTable).Value = (CStr(YearlyChange) & "%")

'Total Volume

Ws.Range("L" & SummaryTable).Value = TickerVolume

SummaryTable = SummaryTable + 1

YearlyChange = 0

ClosePrice

OpenPrice = Ws.Cells(i + 1, 3).Value

'Creating Summary Table for challenge'

If (PercentChange > MaxPercent) Then

MaxPercent = PercentChange

MaxTicker = TickerName

ElseIf (PercentChange < MinPercent) Then

MinPercent = PercentChange

MinTicker = TickerName

End If

If (TickerVolume > MaxVolume) Then

MaxVolume = TickerVolume

MaxVolume = TickerName

End If

'Challenge table

PercentChange = 0

TickerVolume = 0

'Else - If the cell immediately following a row is still the same ticker name,

'just add to Totl Ticker Volume

Else

TickerVolume = TickerVolume + Ws.Cells(i, 7).Value

End If

' For debugging MsgBox (Ws.Rows(i).Cells(2, 1))

Next i

'Checking if challenge solution is correct'

If Not Spreadsheet Then

Ws.Range("Q2").Value = (CStr(MaxPercent) & "%")

Ws.Range("Q3").Value = (CStr(MinPercent) & "%")

Ws.Range("P2").Value = MaxTicker

Ws.Range("P3").Value = MinTicker

Ws.Range("Q4").Value = MaxVolume

Ws.Range("P4").Value = MaxTicker

Else

Spreadsheet = False

End If

Next Ws

End Sub