Screenshots of my results for each year

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

Sub StockChallenge()

'ADJUSTMENTS TO RUN THE SCRIPT ON EVERY WORKSHE

Dim ws As Long ' to store count value for the loop

Dim shtCount As Long ' for count of the sheets in this workbook

shtCount = Sheets.Count

For ws = 1 To shtCount

'SCRIPT THAT LOOPS THROUGH ALL THE STOCKS

' Arrays

Dim Ticker As String

Dim Volumes As LongPtr

Dim Yearly\_Chg As Double

Dim Percent\_Chg As Double

Dim OpenPrices As Single, ClosePrices As Single

Volumes = 0

Dim Summary\_Table\_Row As Integer

Summary\_Table\_Row = 2

Dim i As Long

Dim j As Integer

Dim GreatIncrease As Single

Dim GreatDecrease As Single

Dim GreatVolume As LongPtr

Dim LastRow As Long

For i = 2 To Sheets(ws).Cells(Rows.Count, 1).End(xlUp).Row

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

OpenPrices = Sheets(ws).Cells(i, 3).Value ' the opening price at the beginning of a given year

End If

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

ClosePrices = Sheets(ws).Cells(i, 6).Value ' the closing price at the end of that year

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

Volume = Volume + Sheets(ws).Cells(i, 7).Value

Yearly\_Chg = ClosePrices - OpenPrices

Percent\_Chg = Yearly\_Chg / OpenPrices

Sheets(ws).Range("I" & Summary\_Table\_Row).Value = Ticker

Sheets(ws).Range("J" & Summary\_Table\_Row).Value = Yearly\_Chg

Sheets(ws).Range("J" & Summary\_Table\_Row).NumberFormat = "0.00" 'Formatting the value

Sheets(ws).Range("K" & Summary\_Table\_Row).Value = Percent\_Chg

Sheets(ws).Range("K" & Summary\_Table\_Row).NumberFormat = "0.00%" 'Formatting the value

Sheets(ws).Range("L" & Summary\_Table\_Row).Value = Volume ' the total stock volume for the ticker

Sheets(ws).Range("L" & Summary\_Table\_Row).NumberFormat = "0"

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

Volume = 0 ' to reset the volume for the next loop

Else

Volume = Volume + Sheets(ws).Cells(i, 7).Value 'to add the volume into the next loop

End If

Next i

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

'formatting the color

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

Sheets(ws).Cells(j, 10).Interior.ColorIndex = 4

Else

Sheets(ws).Cells(j, 10).Interior.ColorIndex = 3

End If

'Greatest Increase, decrease and total volume

LastRow = Sheets(ws).Range("K" & Rows.Count).End(xlUp).Row

If Sheets(ws).Cells(j, 11).Value = WorksheetFunction.Max(Sheets(ws).Range("K2:K" & LastRow)) Then

GreatIncrease = WorksheetFunction.Max(Sheets(ws).Range("K2:K" & LastRow))

Sheets(ws).Range("P3") = GreatIncrease

Ticker = Sheets(ws).Cells(j, 9)

Sheets(ws).Range("O3") = Ticker

End If

If Sheets(ws).Cells(j, 11).Value = WorksheetFunction.Min(Sheets(ws).Range("K2:K" & LastRow)) Then

GreatDecrease = WorksheetFunction.Min(Sheets(ws).Range("K2:K" & LastRow))

Sheets(ws).Range("P4") = GreatDecrease

Ticker = Sheets(ws).Cells(j, 9)

Sheets(ws).Range("O4") = Ticker

End If

If Sheets(ws).Cells(j, 12).Value = WorksheetFunction.Max(Sheets(ws).Range("L2:L" & LastRow)) Then

GreatVolume = WorksheetFunction.Max(Sheets(ws).Range("L2:L" & LastRow))

Sheets(ws).Range("P5") = GreatVolume

Ticker = Sheets(ws).Cells(j, 9)

Sheets(ws).Range("O5") = Ticker

End If

Next j

'adding headers

Sheets(ws).Range("I1").Value = "Ticker"

Sheets(ws).Range("J1").Value = "Yearly Change"

Sheets(ws).Range("K1").Value = "Percent Change"

Sheets(ws).Range("L1").Value = "Total Stock Volume"

Sheets(ws).Range("N3").Value = "Greatest % increase"

Sheets(ws).Range("N4").Value = "Greatest % increase"

Sheets(ws).Range("N5").Value = "Greatest volume"

'formatting

Sheets(ws).Range("P3").NumberFormat = "0.00%"

Sheets(ws).Range("P4").NumberFormat = "0.00%"

Next ws

End Sub