Option Explicit

Sub ticker\_summary()

Dim priceopen\_yrstart As Double ' year-start close price

Dim priceclose\_yrend As Double ' year-end close price

Dim price\_pct\_chg ' stock price percent change calculator

Dim stk\_volume As Double ' stock volume accumulator

Dim row\_locator As Long

Dim lastrow As Long ' variable to hold the last row of data

Dim lastsummrow As Long ' variable to hold the last row of data in summary table

Dim i, j As Double ' For-Next counter variables

Dim ws As Worksheet

Set ws = ActiveSheet

lastrow = Cells(Rows.Count, 1).End(xlUp).Row 'finds the last row of data

'Label Summary table 1 column titles

Range("I1") = "Ticker"

Range("J1") = "Yearly Change"

Range("K1") = "Percent Change"

Range("L1") = "Stock Volume"

'Format Summary table column titles

Range("I1:L1").ColumnWidth = 15

Range("I1:L1").HorizontalAlignment = xlCenter

Range("I1:L1").ColumnWidth = 15

Range("I1:L1").WrapText = True

'Summarize Volume of transactions by ticker symbol

stk\_volume = 0

'Add up the stock volume for each ticker symbol

For i = 2 To lastrow

row\_locator = 2

priceopen\_yrstart = Cells(2, 3).Value 'store year-start ticker open price

For j = 2 To lastrow

If Cells(j, 1) <> Cells(j + 1, 1) Then 'check if successive ticker names are the same

Cells(row\_locator - 1, 9) = Cells(j, 1) 'write ticker symbol in summary table

Cells(row\_locator - 1, 10).Interior.ColorIndex = 4

stk\_volume = stk\_volume + Cells(j, 7).Value 'if ticker names are NOT the same, 1-accumulate the ticker stock volume

Cells(row\_locator - 1, 12) = Format(stk\_volume, "#,##0") '2-write ticker stock volume in the summary table

Cells(row\_locator - 1, 10).Value = Format((Cells(j, 6).Value - priceopen\_yrstart), "#,##0.00") '3-calc price change and write in summary table

price\_pct\_chg = ((Cells(j, 6).Value - priceopen\_yrstart) / priceopen\_yrstart) '4-calc the percent price change from year open price to year close price

Cells(row\_locator - 1, 11).Value = FormatPercent(price\_pct\_chg, 2) '5-write percent price change in the summary table

stk\_volume = 0

priceopen\_yrstart = Cells(j + 1, 3).Value 'store year-start ticker open price

If price\_pct\_chg < 0 Then

Cells(row\_locator - 1, 10).Interior.ColorIndex = 3 'add red shade if value is negative

Else

Cells(row\_locator - 1, 10).Interior.ColorIndex = 4 'add green shade if value is positive

End If

Else

stk\_volume = stk\_volume + Cells(j, 7).Value 'if ticker names are the same, add the stock volume to the accumulator variable

row\_locator = row\_locator + 1

End If

Next j

Next i

'Label Summary table 2 column titles

Range("P1") = "Ticker"

Range("Q1") = "Value"

Range("O2") = "Greatest % Increase"

Range("O3") = "Greatest % Decrease"

Range("O4") = "Greatest Total Volume"

Range("I1" & ":L1000").Select ‘sort summary table

ActiveWorkbook.Worksheets("test").Sort.SortFields.Clear

ActiveWorkbook.Worksheets("test").Sort.SortFields.Add2 Key:=Range("J1" & ":J1000"), \_

SortOn:=xlSortOnValues, Order:=xlDescending, DataOption:=xlSortNormal

With ActiveWorkbook.Worksheets("test").Sort

.SetRange Range("I1" & ":L1000")

.Header = xlYes

.MatchCase = False

.Orientation = xlTopToBottom

.SortMethod = xlPinYin

.Apply

End With

Range("P2") = Range("I2") 'ticker name-max percent increase

Range("Q2") = FormatPercent((Range("K2").Value), 2) 'max percent increase

Range("I1" & ":L1000").Select ‘sort summary table

ActiveWorkbook.Worksheets("test").Sort.SortFields.Clear

ActiveWorkbook.Worksheets("test").Sort.SortFields.Add2 Key:=Range("J1" & ":J1000"), \_

SortOn:=xlSortOnValues, Order:=xlAscending, DataOption:=xlSortNormal

With ActiveWorkbook.Worksheets("test").Sort

.SetRange Range("I1" & ":L1000")

.Header = xlYes

.MatchCase = False

.Orientation = xlTopToBottom

.SortMethod = xlPinYin

.Apply

End With

Range("P3") = Range("I2") 'ticker name-min percent increase

Range("Q3") = Range("K2").Value 'min percent increase

Range("I1" & ":L1000").Select ‘sort summary table

ActiveWorkbook.Worksheets("test").Sort.SortFields.Clear

ActiveWorkbook.Worksheets("test").Sort.SortFields.Add2 Key:=Range("L1" & ":L1000"), \_

SortOn:=xlSortOnValues, Order:=xlDescending, DataOption:=xlSortNormal

With ActiveWorkbook.Worksheets("test").Sort

.SetRange Range("I1" & ":L1000")

.Header = xlYes

.MatchCase = False

.Orientation = xlTopToBottom

.SortMethod = xlPinYin

.Apply

End With

Range("P4") = Range("I2") 'ticker name- greatest stock total volume

Range("Q4") = Range("L2").Value 'greatest stock total volume

Range("I:L").Columns.AutoFit ‘format summary tables-column width

Range("O:Q").Columns.AutoFit

End Sub