Final Codes

Sub StockMarket():

For Each ws In Worksheets

'Assignment of Variables

Dim TickerSymbol As String

Dim YearlyChange As Integer

Dim PercentChange As Double

Dim TotalStockVolume As Double

Dim LastRow As Long

Dim SummaryRow As Integer

Dim StockOpen As Double

Dim GreatestIncrease As Double

Dim GreatestDecrease As Double

Dim GreatestVolume As Double

'Cell titles and formatting

ws.Cells(1, 9) = "Ticker"

ws.Cells(1, 10) = "Yearly Change"

ws.Cells(1, 11) = "Percent Change"

ws.Cells(1, 12) = "Total Stock Volume"

ws.Cells(1, 16) = "Ticker"

ws.Cells(1, 17) = "Value"

ws.Cells(2, 15) = "Greatest % Increase"

ws.Cells(3, 15) = "Greatest % Decrease"

ws.Cells(4, 15) = "Greatest Total Volume "

ws.Range("K1").EntireColumn.NumberFormat = "0.00%"

ws.Range("Q2:Q3").NumberFormat = "0.00%"

'Setting initial values

TickerRow = 2

TotalStockVolume = 0

'Populate ticker column and total stock volume

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

For i = 2 To LastRow

If ws.Cells(i, 1).Value = ws.Cells(i + 1, 1).Value Then

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

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

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

ws.Cells(TickerRow, 9).Value = ws.Cells(i, 1).Value

ws.Cells(TickerRow, 12).Value = TotalStockVolume

TickerRow = TickerRow + 1

TotalStockVolume = 0

End If

Next i

TickerRow = TickerRow - 1

For i = 2 To TickerRow

'Finding YearOpen and YearClose with the Find Function

YearOpen = ws.Columns(1).Find(What:=ws.Cells(i, 9), LookAt:=xlWhole).Row

YearClose = ws.Columns(1).Find(What:=ws.Cells(i, 9), LookAt:=xlWhole, SearchDirection:=xlPrevious).Row

'Calculating Yearly Change

'YearlyChange = ws.Cells(i, 10)

ws.Cells(i, 10) = ws.Cells(YearClose, 6) - ws.Cells(YearOpen, 3)

'Color formatting the Yearly Change Column

If ws.Cells(i, 10) > 0 Then

ws.Cells(i, 10).Interior.ColorIndex = 4

Else

ws.Cells(i, 10).Interior.ColorIndex = 3

End If

'Calculate percentage change

If ws.Cells(YearOpen, 3) <> 0 Then

ws.Cells(i, 11) = (ws.Cells(YearClose, 6) - ws.Cells(YearOpen, 3)) / ws.Cells(YearOpen, 3)

Else

ws.Cells(i, 11) = 0

End If

Next i

'Set initial Values

GreatestIncrease = 0

GreatestDecrease = 0

GreatestVolume = 0

'Calculating Greatest Increase

For j = 2 To LastRow

If ws.Cells(j, 11).Value > GreatestIncrease Then

GreatestIncrease = ws.Cells(j, 11).Value

ws.Range("Q2").Value = GreatestIncrease

ws.Range("Q2").Style = "Percent"

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

ws.Range("P2").Value = ws.Cells(j, 9).Value

End If

Next j

'Calculating Greatest Decrease

For k = 2 To LastRow

If ws.Cells(k, 11).Value < GreatestDecrease Then

GreatestDecrease = ws.Cells(k, 11).Value

ws.Range("Q3").Value = GreatestDecrease

ws.Range("Q2").Style = "Percent"

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

ws.Range("P3").Value = ws.Cells(k, 9).Value

End If

Next k

'Calculating Greatest Volume

For i = 2 To LastRow

If ws.Cells(i, 12).Value > GreatestVolume Then

GreatestVolume = ws.Cells(i, 12).Value

ws.Range("Q4").Value = GreatestVolume

ws.Range("P4").Value = ws.Cells(i, 9).Value

End If

Next i

Range("K1").EntireColumn.NumberFormat = "0.00%"

ws.Columns("A:Q").AutoFit

Next ws

End Sub