Sub multi\_year\_stock\_analysis()

'Looping through multiple worksheets

For Each ws In Worksheets

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

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

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

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

'Declare variables

Dim i As Long

Dim ticker As String

Dim openYearly As Double

Dim totalVolume As Double

totalVolume = 0

Dim totalYearly As Double

totalYearly = 0

Dim percentChange As Double

Dim tickerRow As Long

tickerRow = 2

Dim lastRow As Long

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

'First loop

For i = 2 To lastRow

openYearly = ws.Cells(tickerRow, 3).Value

'First loop conditional

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

ticker = ws.Cells(i, 1).Value

ws.Range("I" & tickerRow).Value = ticker

totalYearly = totalYearly + (ws.Cells(i, 6).Value - openYearly) 'Calculates yearly total

ws.Range("J" & tickerRow).Value = totalYearly

percentChange = (totalYearly / openYearly) 'Calculates percent change

ws.Range("K" & tickerRow).Value = percentChange

ws.Range("K" & tickerRow).Style = "Percent"

totalVolume = totalVolume + ws.Cells(i, 7).Value 'Calculates total volume

ws.Range("L" & tickerRow).Value = totalVolume

'Reset

tickerRow = tickerRow + 1

totalYearly = 0

totalVolume = 0

openYearly = ws.Cells(tickerRow, 3).Value

Else

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

End If

Next i

'Declare variables for cell green-red formatting

Dim yearLastRow As Long

yearLastRow = ws.Cells(Rows.Count, 10).End(xlUp).Row

'Add Loop for cell formatting

For i = 2 To yearLastRow

'Add Conditional for cell formatting

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

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

Else

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

End If

Next i

'Declare variables for finding max & min

Dim percentLastRow As Long

percentLastRow = ws.Cells(Rows.Count, 11).End(xlUp).Row

Dim percent\_max As Double

percent\_max = 0

Dim percent\_min As Double

percent\_min = 0

'Add Loop for finding max & min

For i = 2 To percentLastRow

'Add Conditional for max & min

If percent\_max < ws.Cells(i, 11).Value Then

percent\_max = ws.Cells(i, 11).Value

ws.Cells(2, 17).Value = percent\_max

ws.Cells(2, 17).Style = "Percent"

ws.Cells(2, 16).Value = ws.Cells(i, 9).Value

ElseIf percent\_min > ws.Cells(i, 11).Value Then

percent\_min = ws.Cells(i, 11).Value

ws.Cells(3, 17).Value = percent\_min

ws.Cells(3, 17).Style = "Percent"

ws.Cells(3, 16).Value = ws.Cells(i, 9).Value

End If

Next i

'Declare variable for greatest total volume

Dim totalVolumeRow As Long

totalVolumeRow = ws.Cells(Rows.Count, 12).End(xlUp).Row

Dim totalVolumeMax As Double

totalVolumeMax = 0

'Add Loop for finding greatest total volume

For i = 2 To totalVolumeRow

'Add Conditional for greatest total volume

If totalVolumeMax < ws.Cells(i, 12).Value Then

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

ws.Cells(4, 17).Value = totalVolumeMax

ws.Cells(4, 16).Value = ws.Cells(i, 9).Value

End If

Next i

Next ws

End Sub