Sub Multiple\_year\_stock()

' Set initial variable for worksheet

Dim Current As Worksheet

' Loop through all of the worksheets in the active workbook.

For Each Current In Worksheets

'set an initial variable for holding the ticker name

Dim ticker As String

'Set an initial variable for the open value

Dim Openvalue As Double

Openvalue = 0

'Set an initial varialbe for the close value

Dim closevalue As Double

closevalue = 0

'set initial variable for yearly change

Dim yearlychange As Double

yearlychange = 0

'ser initial variable for percent change

Dim percentchange As Double

percentchange = 0

'set an initial variable for total stock Volumne

Dim totalstockvolume As Double

totalstockvolume = 0

Dim lastrow As Long

Dim i As Long

'set last row variable

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

'set up heathers for new columns

Cells(1, 9) = "Ticker"

Cells(1, 10) = "Yearly change"

Cells(1, 11) = "Percent change"

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

'keep track of the location for each ticker row

Dim Column\_row As Long

Column\_row = 2

'Loop through all tickers

For i = 2 To lastrow

'Check if the ticker is the same

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

'set the tickers name

ticker = Cells(i, 1).Value

Openvalue = Cells(i, 3).Value

'print ticker value

Range("I" & Column\_row).Value = ticker

'find the value of closevalue

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

closevalue = Cells(i, 6).Value

'Calculate yearlychange

yearlychange = Openvalue - closevalue

'Print yearlychange

Range("J" & Column\_row).Value = yearlychange

'yearlychange color cell change

If yearlychange < 0 Then

Cells(Column\_row, 10).Interior.Color = vbRed

Else

Cells(Column\_row, 10).Interior.Color = vbGreen

End If

'Calculate percent change

percentchange = ((closevalue - Openvalue) / Openvalue) \* 100

'print percent change

Range("K" & Column\_row).Value = percentchange

'Add to the value of total stock volume

totalstockvolume = totalstockvolume + Cells(i, 7).Value

'print the value of total stock volume

Range("L" & Column\_row).Value = totalstockvolume

'Add one to the Column\_row value

Column\_row = Column\_row + 1

'reset the yearlychange

yearlychange = 0

totalstockvolume = 0

Else

'add to the total of the totalstockvolume

totalstockvolume = totalstockvolume + Cells(i, 7).Value

End If

Next i

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

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

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

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

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

For t = 2 To lastrow

If Cells(t, 10).Value = Application.WorksheetFunction.Max(Range("J2:J" & lastrow)) Then

Cells(2, 16).Value = Cells(t, 9).Value

Cells(2, 17).Value = Cells(t, 11).Value

ElseIf Cells(t, 10).Value = Application.WorksheetFunction.Min(Range("J2:J" & lastrow)) Then

Cells(3, 16).Value = Cells(t, 9).Value

Cells(3, 17).Value = Cells(t, 11).Value

ElseIf Cells(t, 12).Value = Application.WorksheetFunction.Max(Range("L2:L" & lastrow)) Then

Cells(4, 16).Value = Cells(t, 9).Value

Cells(4, 17).Value = Cells(t, 12).Value

End If

Next t

Next

End Sub