Graphical user interface, application, table, Excel

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**Code**

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'Final Code

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Sub StockTicker()

'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

' Variables set up for processing

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Dim Ticker As String ' to capture the Ticker symbol

Dim op\_price As Double ' to capture the opening price of each ticker at begining of year

Dim cl\_price As Double ' to capture the closing price of each ticker at the end of year

Dim yrchg As Double ' to calculate yearly change

Dim SumStkVol As Double ' to store Stock volume by ticker

Dim lastrow As Double ' to calculate the last row for each sheet

Dim pctchg As Double ' to capture % change over the year

Dim numWs As Integer ' to count the number of worksheets

Dim tkrlst As Integer ' to identify the number of rows in the yearly change table

Dim grtPctInc As Double ' to capture % greatest increase

Dim grtPctdec As Double ' to capture % greatest decrease

Dim grtTotVol As Double ' to capture % greatest Total Stock volume

Dim Loopcnt As Double ' this is to get to the openeing stock price for each ticker

'counting and storing the number of worksheets

numWs = Worksheets.Count

'Looping for each work sheet

For ws = 1 To numWs

'adding colum header to the values

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

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

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

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

Worksheets(ws).Range("O2").Value = "Greatest % Increase"

Worksheets(ws).Range("O3").Value = "Greatest % decrease"

Worksheets(ws).Range("O4").Value = "Greatest Total Volume"

Worksheets(ws).Range("P1").Value = "Ticker"

Worksheets(ws).Range("Q1").Value = "Value"

SumRecord = 2

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

'processing question 1 for each worksheet

For i = 2 To lastrow

If Worksheets(ws).Range("A" & i + 1).Value <> Worksheets(ws).Range("A" & i).Value Then

Ticker = Worksheets(ws).Range("A" & i).Value

SumStkVol = SumStkVol + Range("G" & i).Value

cl\_price = Worksheets(ws).Range("F" & i).Value 'identify and store closing price for each ticker

op\_price = Worksheets(ws).Range("C" & i - Loopcnt).Value 'identify and store opening price for each ticker

Worksheets(ws).Range("I" & SumRecord).Value = Ticker

Worksheets(ws).Range("L" & SumRecord).Value = SumStkVol

' Worksheets(ws).Range("M" & SumRecord).Value = cl\_price

' Worksheets(ws).Range("N" & SumRecord).Value = op\_price

'Calculating yearly change and % change

yrchg = cl\_price - op\_price

pctchg = ((cl\_price - op\_price) / op\_price)

Worksheets(ws).Range("K" & SumRecord).Value = pctchg

Worksheets(ws).Range("J" & SumRecord - 1).Value = yrchg

If yrchg > 0 Then

Worksheets(ws).Range("J" & SumRecord - 1).Interior.ColorIndex = 4

Else

Worksheets(ws).Range("J" & SumRecord - 1).Interior.ColorIndex = 3

End If

Worksheets(ws).Range("L" & SumRecord - 1).NumberFormat = "#,##0.00"

Worksheets(ws).Range("K" & SumRecord - 1).NumberFormat = "0.00%"

' reset or initialize for next ticker

Ticker = ""

SumStkVol = 0

Loopcnt = 0

SumRecord = SumRecord + 1

Else

SumStkVol = SumStkVol + Worksheets(ws).Range("G" & i).Value

Ticker = Worksheets(ws).Range("A" & i).Value

If Worksheets(ws).Range("A" & i).Value = Ticker Then

Loopcnt = Loopcnt + 1

End If

End If

Next i

tkrlst = Worksheets(ws).Cells(Rows.Count, 9).End(xlUp).Row

grtPctInc = 0

grtPctdec = 0

Ticker = ""

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' identifying and calculating and formatting the greatest, least percent and volume

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For n = 2 To tkrlst

If Worksheets(ws).Range("K" & n).Value > grtPctInc Then

grtPctInc = Worksheets(ws).Range("K" & n).Value

Ticker = Worksheets(ws).Range("I" & n).Value

End If

Worksheets(ws).Range("P2").Value = Ticker

Worksheets(ws).Range("Q2").Value = grtPctInc

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

Next n

tkrlst = Worksheets(ws).Cells(Rows.Count, 9).End(xlUp).Row

grtPctdec = 0

Ticker = ""

For p = 2 To tkrlst

If Worksheets(ws).Range("K" & p).Value < grtPctdec Then

grtPctdec = Worksheets(ws).Range("K" & p).Value

Ticker = Worksheets(ws).Range("I" & p).Value

End If

Worksheets(ws).Range("P3").Value = Ticker

Worksheets(ws).Range("Q3").Value = grtPctdec

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

Next p

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

grtTotVol = 0

Ticker = ""

For v = 2 To tkrlst

If Worksheets(ws).Range("L" & v).Value > grtTotVol Then

grtTotVol = Worksheets(ws).Range("L" & v).Value

Ticker = Worksheets(ws).Range("I" & v).Value

End If

Worksheets(ws).Range("P4").Value = Ticker

Worksheets(ws).Range("Q4").Value = grtTotVol

Worksheets(ws).Range("Q4").NumberFormat = "#,##0.00"

Next v

Next ws

End Sub