

## **Code for Challenge 2:**

```
Sub forloop()
Dim Ticker As String
Dim i As Long
Dim j As Long
Dim Total As Double
Dim change As Double
Dim Opening_Value As Long
Dim Closing_Value As Long
Dim rowcount As Long
Dim percentchange As Single
Dim days As Integer
Dim dailychange As Single
Dim averagechange As Single
Dim count As Long
Dim opening_value_row As Long
Dim closing_value_row As Long
i = 2
j = 2
rowcount = 0
' make system count rows to define row count
Do Until Cells(i, 1).Value = ""
    rowcount = 1 + rowcount
    i = i + 1
Loop
'MsgBox (rowcount)
' Make system look through cells and display ticker symbol when different.
i = 2
Cells(j, 9).Value = Cells(i, 1).Value
opening_value_row = i
For i = 2 To rowcount
    If Cells(i + 1, 1).Value <> Cells(i, 1).Value Then
        j = j + 1
        'next line is to store next ticker symbol in new chart
        Cells(j, 9).Value = Cells(i + 1, 1)
        'next line is to store what row the closing value is in
        closing_value_row = i
        Cells(j - 1, 10).Value = Cells(closing_value_row, 6).Value - Cells(opening_value_row,
3).Value
        change = Cells(j - 1, 10)
        Opening_Value = Cells(opening_value_row, 3).Value
        Closing_Value = Cells(closing_value_row, 6).Value
        ' next line is to find the percent change
        Cells(j - 1, 11).Value = (Cells(closing_value_row, 6).Value - Cells(opening_value_row,
3).Value) / Cells(opening_value_row, 3).Value
        percentchange = Cells(j - 1, 11).Value
        'need to make it return as a percentage
        'find the total stock vlumen
        Cells(j - 1, 12).Value =
Application.WorksheetFunction.Sum(Range(Cells(opening_value_row, 7),
Cells(closing_value_row, 7)))
        Total = Cells(j - 1, 12).Value
```

```

        'next row is to store the new opening value one row down.
        opening_value_row = i + 1
    End If
Next i
i = opening_value_row
For i = i To (rowcount + 1)
    'next line is to store what row the closing value is in
    closing_value_row = (rowcount + 1)
    ' Finding the change from open to close
    Cells(j, 10).Value = Cells(closing_value_row, 6).Value - Cells(opening_value_row, 3).Value
    change = Cells(j, 10)
    Opening_Value = Cells(opening_value_row, 3).Value
    Closing_Value = Cells(closing_value_row, 6).Value
    ' next line is to find the percent change
    Cells(j, 11).Value = (Cells(closing_value_row, 6).Value - Cells(opening_value_row,
3).Value) / Cells(opening_value_row, 3).Value
    percentchange = Cells(j, 11).Value
    'need to make it return as a percentage
    'find the total stock vlumen
    Cells(j, 12).Value =
Application.WorksheetFunction.Sum(Range(Cells(opening_value_row, 7),
Cells(closing_value_row, 7)))
    Total = Cells(j, 12).Value
Next i
'Percent_Change Macro
'
'
    Columns("K:K").Select
    Selection.Style = "Percent"
    Selection.NumberFormat = "0.0%"
    Selection.NumberFormat = "0.00%"
    'Count how many tickers there are
    j = 2
    rowcount = 0
    Do Until Cells(j, 9).Value = ""
        rowcount = 1 + rowcount
        j = j + 1
    Loop
    MsgBox (rowcount)

j = 2

Range("P2") = "%" & WorksheetFunction.Max(Range("K2:K" & rowcount)) * 100
Range("P3") = "%" & WorksheetFunction.Min(Range("K2:K" & rowcount)) * 100
Range("P4") = WorksheetFunction.Max(Range("L2:L" & rowcount))
'Find greatest percent decrease
Min1 = Application.WorksheetFunction.Match(WorksheetFunction.Min(Range("K2:K" &
rowcount)), Range("K2:K" & rowcount), 0)
'find greatest percent Increase
Max1 = Application.WorksheetFunction.Match(WorksheetFunction.Max(Range("K2:K" &
rowcount)), Range("K2:K" & rowcount), 0)
'Find greatest total volumne
Vol1 = Application.WorksheetFunction.Match(WorksheetFunction.Max(Range("L2:L" &
rowcount)), Range("L2:L" & rowcount), 0)

```

End Sub

AutoSave

🔍📄📁📧📧

Save

Undo

Redo

Print

Close

Help

Multiple\_year\_stock\_data(Completed)

Home

Insert

Draw

Page Layout

Formulas

Data

Review

View

Developer

Tell me

Calibri (Body)

11

A

A

Wrap Text

General

Normal

Bad

Good

Neutral

Calculation

Black Cell

Explanatory T...

Input

Insert

Delete

Format

AutoSum

Fill

Clear

Sort & Filter

Find & Select

Analyze Data

Comments

Share

P14

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