

```
Sub VBA_Challenge1()
```

```
    Dim Ticker As String
```

```
    ' Set an initial variable for holding the summary Table_Variables
```

```
    Dim Percentage_Change as Double
```

```
    Dim Yearly_Change as Double
```

```
    Yearly_change = 0
```

```
    Percentage_Change = 0
```

```
    Total_Stock_Volume = 0
```

```
    ' Keep track of the location for each Ticker in the Summary_Table
```

```
    Dim Summary_Table_Row As Integer
```

```
    Summary_Table_Row = 2
```

```
    'Set Summary Table Headers
```

```
    Range("I1").Value = "Ticker"
```

```
    Range("J1").Value = "Yearly Change"
```

```
    Range("K1").Value = "Percent Change"
```

```
    Range("L1").Value = "Total Stock Volume"
```

```
    ' Count the number of rows
```

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

```
    ' Loop through all Tickers
```

```
    For i = 2 To lastrow
```

' Check if we are still within the same Ticker, if it is not...

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

' Set the Ticker

Ticker = Cells(i, 1).Value

' Add to the Total_Stock_Volume

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

'Set Closing_Price and Opening_Price

Closing_Price = Cells(i, 6).Value

Opening_Price = Cells(2, 3).Value

'Calculate Yearly_Change

Yearly_Change = Closing_Price - Opening_Price

'Calculate Percentage_Change

Percent_Change = (Yearly_Change/Opening_Price) * 100

'Check when Opening_Price is Zero

If Opening_Price <> 0 Then

Percent_Change = ((Yearly_Change/Opening_Price) * 100)

Else

Percent_Change = 0

End If

' Print the Ticker in the Summary Table

Range("I" & Summary_Table_Row).Value = Ticker

' Print the Yearly_Change in the Summary Table

Range("J" & Summary_Table_Row).Value = Yearly_Change

' Print the Percentage_Change in the Summary Table

'Conditional Formatting For Yearly_Change

If (Yearly_Change > 0) Then

Range("J" & Summary_Table_Row).Interior.ColorIndex = 4

ElseIf (Yearly_Change <= 0) Then

Range("J" & Summary_Table_Row).Interior.ColorIndex = 3

End If

Range("K" & Summary_Table_Row).Value = (Percentage_Change & "%")

' Print the Total_Stock_Volume in the Summary Table

Range("L" & Summary_Table_Row).Value = Total_Stock_Volume

' Add one to the summary table row

Summary_Table_Row = Summary_Table_Row + 1

Opening_Price = Cells(i + 1, 3).Value

' Reset the Total_Stock_Volume

Total_Stock_Volume = 0

Yearly_Change = 0

Percentage_Change = 0

' If the cell immediately following a row is the same brand...

Else

' Add to the Total_Stock_Volume

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

End If

Next i

End Sub