

Module1 - 1

```
Sub Module2_Challenge()
```

```
For Each ws In Worksheets
```

```
Dim i As Variant
```

```
Dim WorksheetName As String
```

```
WorksheetName = ws.Name
```

```
Dim Ticker As String
```

```
Dim Yearly_Change As Double
```

```
Dim Percent_Change As Double
```

```
Dim Total_Volume As Variant
```

```
Dim Company_Row As Long
```

```
Dim lastRow As Long
```

```
Dim maxPercentage As Double
```

```
Dim minPercentage As Double
```

```
Dim maxValue As Variant
```

```
Dim Open_Value As Double
```

```
Dim Close_Value As Double
```

```
ws.Cells(1, 10).Value = "Ticker"
```

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

```
ws.Cells(1, 12).Value = "Percent Change"
```

```
ws.Cells(1, 13).Value = "Total Stock Volume"
```

```
ws.Cells(1, 17).Value = "Ticker"
```

```
ws.Cells(1, 18).Value = "Value"
```

```
ws.Cells(2, 16).Value = "Greatest % Increase"
```

```
ws.Cells(3, 16).Value = "Greatest % Decrease"
```

```
ws.Cells(4, 16).Value = "Greatest Total Volume"
```

```
ws.Range("J1:M1").Columns.AutoFit
```

```
ws.Range("P4").Columns.AutoFit
```

```
ws.Range("G:G").Columns.AutoFit
```

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

```
Company_Row = 2
```

```
Print_Row = 2
```

```
Total_Volume = 0
```

```
For i = 2 To lastRow
```

```
Open_Value = ws.Cells(Company_Row, 3).Value
```

```
Close_Value = ws.Cells(i, 6).Value
```

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

```
    Ticker = ws.Cells(i, 1).Value
```

```
    Total_Volume = Total_Volume + (ws.Cells(i, 7).Value)
```

```
    Yearly_Change = (Close_Value) - (Open_Value)
```

```
    Percent_Change = (Yearly_Change) / (Open_Value)
```

```
ws.Range("J" & Print_Row).Value = Ticker
```

```
ws.Range("M" & Print_Row).Value = Total_Volume
```

```
ws.Range("K" & Print_Row).Value = Yearly_Change
```

```
ws.Range("L" & Print_Row).Value = Percent_Change
```

```
Company_Row = i + 1
```

```
Print_Row = Print_Row + 1
```

```
Total_Volume = 0
```

```
Else
```

```
    Total_Volume = Total_Volume + ws.Cells(i, 7).Value
```

```
End If
```

```
Next i
```

```
For i = 2 To lastRow
    ws.Cells(i, 13).NumberFormat = "General"
Next i

For i = 2 To lastRow

ws.Cells(i, 11).NumberFormat = "General"

    If ws.Cells(i, 11).Value < 0 Then
        ws.Cells(i, 11).Interior.ColorIndex = 3
    Else
        ws.Cells(i, 11).Interior.ColorIndex = 4
    End If

Next i

For i = 2 To lastRow
    ws.Cells(i, 12).NumberFormat = "0.00%"
Next i

For i = 2 To 3
    ws.Cells(i, 18).NumberFormat = "0.00%"
Next i

ws.Cells(4, 18).NumberFormat = "General"

maxPercentage = WorksheetFunction.Max(ws.Range("L:L"))
minPercentage = WorksheetFunction.Min(ws.Range("L:L"))
maxValue = WorksheetFunction.Max(ws.Range("M:M"))
ws.Range("Q1:R4").Columns.AutoFit
ws.Range("R2") = maxPercentage
ws.Range("R3") = minPercentage
ws.Range("R4") = maxValue

For i = 2 To lastRow
    If ws.Cells(i, 12).Value = maxPercentage Then
        ws.Range("Q2") = ws.Cells(i, 10)
    ElseIf ws.Cells(i, 12).Value = minPercentage Then
        ws.Range("Q3") = ws.Cells(i, 10)
    ElseIf ws.Cells(i, 13).Value = maxValue Then
        ws.Range("Q4") = ws.Cells(i, 10)
    End If

Next i

Next ws

End Sub
```