**Module 1**

Sub ticker()

Dim ticker As String

Dim vol As Double

vol = 0

Dim Summary\_Table\_Row As Long

Dim year\_open As Double

Dim year\_close As Double

Dim input\_row As Long

Dim Yearly\_change As Double

Dim Yearly\_percentage As Double

Dim Last\_row As Long

Cells(1, 9).Value = "Ticker"

Cells(1, 10).Value = "Yearly\_change"

Cells(1, 11).Value = "Yearly\_percentage"

Cells(1, 12).Value = "Total Stock Vol"

Summary\_Table\_Row = 2

Last\_row = Cells(Rows.Count, 1).End(xlUp).Row

For input\_row = 2 To Last\_row

ticker = Cells(input\_row, 1).Value

If Cells(input\_row - 1, 1).Value <> ticker Then

year\_open = Cells(input\_row, 3).Value

vol = 0

End If

vol = vol + Cells(input\_row, 7).Value

If Cells(input\_row + 1, 1).Value <> ticker Then

year\_close = Cells(input\_row, 6).Value

Yearly\_change = year\_close - year\_open

Yearly\_percentage = Yearly\_change / year\_close

Range("J" & Summary\_Table\_Row).Value = Yearly\_change

Range("I" & Summary\_Table\_Row).Value = ticker

Range("K" & Summary\_Table\_Row).Value = FormatPercent(Yearly\_percentage)

Range("L" & Summary\_Table\_Row).Value = vol

Summary\_Table\_Row = Summary\_Table\_Row + 1

End If

If (Yearly\_change > 0) Then

Range("J" & Summary\_Table\_Row).Interior.Color = vbGreen

ElseIf (Yearly\_change <= 0) Then

Range("J" & Summary\_Table\_Row).Interior.Color = vbRed

End If

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

Range("J1").Value = "Yearly\_change"

Range("K1").Value = "Percent\_change"

Range("L1").Value = "Total Stock Vol"

Range("O2").Value = "Greatest Percentage Increase"

Range("O3").Value = "Greatest Percentage Decrease"

Range("O4").Value = "Greatest Total Vol"

Next input\_row

'move to next worksheet

End Sub

Module 2 – Bonus

Sub Bonus\_Rangevalue()

'Define Variables

Dim Last\_row As Double

Dim Percent\_increase As Double

Dim Percent\_decrease As Double

Dim Total\_volume As Double

'looping through all the worksheets

For Each ws In ActiveWorkbook.Worksheets

'Setting last row command

Last\_row = ws.Range("A" & Rows.Count).End(xlUp).Row

'finding Maximum range or increase in value

maxvalue = WorksheetFunction.Max(ws.Range("K2:K" & Last\_row))

maxindex = WorksheetFunction.Match(maxvalue, ws.Range("K2:K" & Last\_row), 0)

Range("Q2") = "%" & maxvalue \* 100

Range("P2") = Cells(maxindex + 1, 9)

'finding Minimum range or decrease in value

minvalue = Min(Range("K2:K" & Last\_row))

minindex = Match(maxvalue, Range("K2:K" & Last\_row), 0)

Range("Q3") = "%" & minvalue \* 100

Range("P3") = Cells(minindex + 1, 9)

Next ws

End Sub