

```
Sub Calculate_Stock_Stats():
```

```
Dim ticker As String
Dim number_tickers As Integer
Dim lastRowState As Long
Dim opening_price As Double
Dim closing_price As Double
Dim yearly_change As Double
Dim percent_change As Double
Dim total_stock_volume As Double
Dim greatest_percent_increase As Double
Dim greatest_percent_increase_ticker As String
Dim greatest_percent_decrease As Double
Dim greatest_percent_decrease_ticker As String
Dim greatest_stock_volume As Double
Dim greatest_stock_volume_ticker As String
```

```
For Each ws In Worksheets
```

```
    ws.Activate
```

```
    lastRowState = ws.Cells(Rows.Count, "A").End(xlUp).Row
```

```
    ws.Range("I1").Value = "Ticker"
    ws.Range("J1").Value = "Yearly Change"
    ws.Range("K1").Value = "Percent Change"
    ws.Range("L1").Value = "Total Stock Volume"
```

```
    number_tickers = 0
    ticker = ""
    yearly_change = 0
    opening_price = 0
    percent_change = 0
    total_stock_volume = 0
```

```
    For i = 2 To lastRowState
```

```
        ticker = Cells(i, 1).Value
```

```
        If opening_price = 0 Then
            opening_price = Cells(i, 3).Value
        End If
```

```
        total_stock_volume = total_stock_volume + Cells(i, 7).Value
```

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

```
            number_tickers = number_tickers + 1
            Cells(number_tickers + 1, 9) = ticker
```

```
            closing_price = Cells(i, 6)
```

```
            yearly_change = closing_price - opening_price
```

```
            Cells(number_tickers + 1, 10).Value = yearly_change
```

```
            If yearly_change > 0 Then
                Cells(number_tickers + 1, 10).Interior.ColorIndex = 4
```

```
            ElseIf yearly_change < 0 Then
                Cells(number_tickers + 1, 10).Interior.ColorIndex = 3
```

```
            Else
                Cells(number_tickers + 1, 10).Interior.ColorIndex = 6
            End If
```

```
            If opening_price = 0 Then
                percent_change = 0
            Else
                percent_change = (yearly_change / opening_price)
            End If
```

```

Cells(number_tickers + 1, 11).Value = Format(percent_change, "Percent")

' Uncomment the following for color shading of percent change column.
' If percent change value is greater than 0, shade cell green.
' If percent_change > 0 Then
'     Cells(number_tickers + 1, 11).Interior.ColorIndex = 4
' If percent change value is less than 0, shade cell red.
' ElseIf percent_change < 0 Then
'     Cells(number_tickers + 1, 11).Interior.ColorIndex = 3
' If percent change value is 0, shade cell yellow.
' Else
'     Cells(number_tickers + 1, 11).Interior.ColorIndex = 6
' End If

opening_price = 0

Cells(number_tickers + 1, 12).Value = total_stock_volume

    total_stock_volume = 0
End If

Next i

Range("O2").Value = "Greatest % Increase"
Range("O3").Value = "Greatest % Decrease"
Range("O4").Value = "Greatest Total Volume"
Range("P1").Value = "Ticker"
Range("Q1").Value = "Value"

lastRowState = ws.Cells(Rows.Count, "I").End(xlUp).Row

greatest_percent_increase = Cells(2, 11).Value
greatest_percent_increase_ticker = Cells(2, 9).Value
greatest_percent_decrease = Cells(2, 11).Value
greatest_percent_decrease_ticker = Cells(2, 9).Value
greatest_stock_volume = Cells(2, 12).Value
greatest_stock_volume_ticker = Cells(2, 9).Value

For i = 2 To lastRowState

    If Cells(i, 11).Value > greatest_percent_increase Then
        greatest_percent_increase = Cells(i, 11).Value
        greatest_percent_increase_ticker = Cells(i, 9).Value
    End If

    If Cells(i, 11).Value < greatest_percent_decrease Then
        greatest_percent_decrease = Cells(i, 11).Value
        greatest_percent_decrease_ticker = Cells(i, 9).Value
    End If

    If Cells(i, 12).Value > greatest_stock_volume Then
        greatest_stock_volume = Cells(i, 12).Value
        greatest_stock_volume_ticker = Cells(i, 9).Value
    End If

Next i

Range("P2").Value = Format(greatest_percent_increase_ticker, "Percent")
Range("Q2").Value = Format(greatest_percent_increase, "Percent")
Range("P3").Value = Format(greatest_percent_decrease_ticker, "Percent")
Range("Q3").Value = Format(greatest_percent_decrease, "Percent")
Range("P4").Value = Format(greatest_stock_volume_ticker, "Percent")
Range("Q4").Value = Format(greatest_stock_volume, "Percent")

Next ws

End Sub

```