"# InsomniYak"

"# VBA-Challenge"

Code starts and ends with Sub Stocks() and End Sub

Run in VBA for Multiple\_Year\_Stock\_Data

Sub Stocks()

‘loop through all worksheets

For Each ws In Worksheets

ws.Activate

‘define variables and Summary Table Row

Dim Ticker As String

Dim TotalStock As Long

Dim YearChange As Double

Dim Percentage As Double

Dim Summary\_Table\_Row As Integer

Summary\_Table\_Row = 2

‘print headers

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

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

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

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

Range("N2").Value = "Greatest Percent Increase"

Range("N3").Value = "Greatest Percent Decrease"

Range("N4").Value = "Greatest Total Stock Volume"

Range("O1").Value = "Ticker"

Range("P1").Value = "Value"

‘define starting points

TotalVolume = 0

PricePointer = 2

‘find Last Row

LR = Cells(Rows.Count, "A").End(xlUp).Row

‘create loop through rows I, J, K, L, starting after headers thru Last Row

For i = 2 To LR

‘start with tickers: check for changes in next row

‘yearly change: subtract close price from start price columns

‘Percentage: divide yearly change by values in column C; define as percent

‘total volume: add values in column G

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

Ticker = Cells(i, "A").Value

YearlyChange = (Cells(i, "F").Value) - (Cells(PricePointer, "C").Value)

Percentage = YearlyChange / Cells(PricePointer, "C").Value \* 100

TotalVolume = TotalVolume + Cells(i, "G").Value

‘print resulting data

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

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

Range("K" & Summary\_Table\_Row).Value = "%" & Percentage

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

‘color conditions

If YearlyChange > 0 Then

Cells(Summary\_Table\_Row, "J").Interior.ColorIndex = 4

ElseIf YearlyChange < 0 Then

Range("J" & Summary\_Table\_Row).Interior.Color = 3

Else

Cells(Summary\_Table\_Row, "J").Interior.ColorIndex = 2

End If

‘repeat loop

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

PricePointer = i + 1

TotalVolume = 0

Else

TotalVolume = TotalVolume + Cells(i, "G").Value

End If

Next i

‘find Last Row again

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

‘loop through created data in columns I, K, and L

‘define variables

Dim Greatest\_percent\_Increase

Dim Greatest\_percent\_Decrease

Dim Greatest\_Total

Dim Ticker\_1

Dim Ticker\_2

Dim Ticker\_3

Greatest\_percent\_Increase = 0

Greatest\_percent\_Decrease = 0

Greatest\_Total = 0

'Greatest percent Increase w Ticker 1

For Row = 2 To LR

If Cells(Row, "K").Value > Greatest\_percent\_Increase Then

Greatest\_percent\_Increase = Cells(Row, "K").Value

Ticker\_1 = Cells(Row, "I").Value

End If

Next Row

Range("O2") = Ticker\_1

Range("P2") = "%" & Greatest\_percent\_Increase

'Greatest percent Decrease w Ticker 2

For Row = 2 To LR

If Cells(Row, "K").Value < Greatest\_percent\_Decrease Then

Greatest\_percent\_Decrease = Cells(Row, "K").Value

Ticker\_2 = Cells(Row, "I").Value

End If

Next Row

Range("O3") = Ticker\_2

Range("P3") = "%" & Greatest\_percent\_Decrease

'Greatest Volume w Ticker 3

For Row = 2 To LR

If Cells(Row, "L").Value > Greatest\_Total Then

Greatest\_Total = Cells(Row, "L").Value

Ticker\_3 = Cells(Row, "I").Value

End If

Next Row

Range("O4") = Ticker\_3

Range("P4") = Greatest\_Total

‘autofit for next worksheet

Columns("A:P").AutoFit

Next ws

End Sub