

'Exercise 2.3.3

Sub AllStocksAnalysis()

'1) Format the output sheet on All Stocks Analysis worksheet

Worksheets("All Stocks Analysis").Activate

Range("A1").Value = "All Stocks (2018)"

'Create headers

Cells(3, 1).Value = "Ticker"

Cells(3, 2).Value = "Total Daily Volume"

Cells(3, 3).Value = "Return"

'2) Initialize array of all tickers

Dim tickers(12) As String

tickers(0) = "AY"

tickers(1) = "CSIQ"

tickers(2) = "DQ"

tickers(3) = "ENPH"

tickers(4) = "FSLR"

tickers(5) = "HASI"

tickers(6) = "JKS"

tickers(7) = "RUN"

tickers(8) = "SEDG"

tickers(9) = "SPWR"

tickers(10) = "TERP"

tickers(11) = "VSLR"

'3a) Initialize variables for starting price and ending price

Dim startingPrice As Double

Dim endingPrice As Double

'3b) Activate data worksheet

Worksheets("2018").Activate

'3c) Get the number of rows to loop over

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

'4) Loop through tickers

For i = 0 To 11

    ticker = tickers(i)

    totalVolume = 0

'5) loop through rows in the data

Worksheets("2018").Activate

For j = 2 To RowCount

    '5a) Get total volume for current ticker

    If Cells(j, 1).Value = ticker Then

        totalVolume = totalVolume + Cells(j, 8).Value

    End If

    '5b) get starting price for current ticker

    If Cells(j - 1, 1).Value <> ticker And Cells(j, 1).Value = ticker Then

        startingPrice = Cells(j, 6).Value

    End If

    '5c) get ending price for current ticker

    If Cells(j + 1, 1).Value <> ticker And Cells(j, 1).Value = ticker Then

        endingPrice = Cells(j, 6).Value

End If

Next j

'6) Output data for current ticker

Worksheets("All Stocks Analysis").Activate

Cells(4 + i, 1).Value = ticker

Cells(4 + i, 2).Value = totalVolume

Cells(4 + i, 3).Value = endingPrice / startingPrice - 1

Next i

End Sub