

Stock Ticker VBA Pseudo Code

Setup before the loop

Initialize variables

Determine how many rows are in the sheet.

Setup the summary table headings and a counter to keep track of which row in the table is being populated.

Process the first data row (line 2). Populate the ticker in the summary table. Store the stock's opening value in a variable. Store the stock's volume into a variable.

Loop through the rows from 3 to the end

If statement to determine if the row is the first instance of a stock ticker

Close out the previous stock data first.

Grab the stock's closing value from the previous row.

Perform calculations for yearly change, percentage change. Populate in the summary table and add color highlighting. Also populate the stock volume. Note, that there is the potential divide by 0 in the percentage change that also needs to be handled.

Begin working on the next ticker data

Increment the summary row counter to begin work on the next ticker.

Populate the ticker in the summary table. Store the stock's opening value in a variable.

Else statement

Add the day's stock volume to the volume variable.

Note, keep an eye out for stocks that are created mid year and grab their opening value on the day they first turn non-zero.

End For Loop

Close out final calculations

Grab final stock's closing value from the previous row.

Perform calculations for yearly change, percentage change. Populate in the summary table and add color highlighting. Also populate the stock volume. Note, that there is the potential divide by 0 in the percentage change that also needs to be handled.

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Clean up the formatting for percentages and column fit.