I’ll take notes as I go, or as I think of it.

The first thing I will do is set up a runnable Spring Boot app. That’s the simplest way to put something together that is executable.

For code my initial thought is to start by parsing the JSON file to have the formatting all “known”. The easiest and most efficient way is to put them into a map. I created a method to do that.

Second thought is now to format the dates. I will create a method for that with the same inputs as in the example provided.

I ended up with a few date related methods for simplicity. One simply checks if the input is a valid date, one parses the date test into a date object. The last one does the checking if the date is in the timeframe specified.

I read all of the data from the csv file and then parse it formatting the dates and changing the text fields to lower case.

Then I build up a list of records including the headers and create output.csv

I set it up simply to not take filename inputs, so the json file must be mappings.jsonc and the csv file must be sample.csv and in the same folder you run the jar from.

It will build using maven => mvn clean install

Run it using => java -jar data-format-0.0.1-SNAPSHOT.jar

Output will be in the file output.csv