Command Line Question

JQ (https://jqlang.github.io/jq/) is used to read json data from the command line and perform operations on it.

1. First, with the following code, we access the 'books_count' data in the 'works' dictionary and convert it into a numeric value, allowing us to sum the counts of books. After the code runs, a file named 'series_with_books_count.json' will be created.

jq '{id,title, total_books_count: (.works | map(.books_count | tonumber) | add)}' series.json > series_with_books_count.json

2. Secondly, to find the top 5 highest 'total_books_count,' we sort the 'series_with_books_count.json' file and write the first 5 entries into the 'result.json' file.

jg -s 'sort_by(-.total_books_count) \ .[:5]' series_with_books_count.json > result.json

3. Finally, we print the results from the 'result.json' file to the console, displaying the relevant values under their respective columns.

jq -r '["id", "title", "total_books_count"], (.[] \ [.id, .title, .total_books_count]) \ @tsv' result.json \ column -t -s Λ'

ChatGPT Answer

When we posed the same question to ChatGPT, the suggested answer provided by ChatGPT was found to be incorrect, as shown below.

