eCloudvalley Interview Assignment

Requirement – Develop Movie Data API

1. API services (next page)
2. Any database (SQL or NoSQL)
3. Any hosting web service (AWS, Heroku, etc.)
4. Program Language: NodeJS Express
5. Source Code Tidiness
6. Swagger API Documentation (optional)

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Scenario

- F2E is going to develop a movie website and he hopes that API can provide the following information as attached (movie.json)

- Invoking the API:
  - **Insert data**
  - **Get "opening this week" data by date** (user can use date to query movie data)
    - if date === "2019-09-18"
    - then get movie data, release_date between "2019-09-16" and "2019-09-22"
  - **Update data by movie_id**

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Deliverable

1. Git repository URL
2. API endpoint
3. Explain how to call the API (request and response)

Bonus

- Develop Non-Repetitive Random Number Function (1,000,000) [0, 2^32-1]
- Develop sorting algorithm, 1,000,000 numbers can be sorted in one second
- Find the smallest positive number missing from the array

※ please provide the source code