ONITO TECHNOLOGIES

Backend Coding Task

Instructions:

1. Make a GitHub public repository containing source code.
2. Fill in the relevant details, Github link & raw SQL Queries, in this Google Form: https://forms.gle/n9voLaB7Qe2hr1Ls5
3. Submit the GitHub link on Internshala also & click on ***Assignment Done***.
   If you send your submission as a direct message on Internshala chat only, it might not get evaluated.

Task:

The *data* folder contains 2 data files of 100 rows

movies.csv

tconst	titleType	primaryTitle	runtimeMinutes	genres
tt0000001	short	Carmencita	1	Documentary
tt0000002	movie	Le clown et ses chiens	5	Animation
tt0000003	short	Pauvre Pierrot	4	Animation
tt0000004	short	Un bon bock	12	Animation
tt0000005	movie	Blacksmith Scene	1	Comedy
tt0000006	short	Chinese Opium Den	1	Short
tt0000007	short	Corbett and Courtney Before the Kinetog	1	Sport
tt0000008	movie	Edison Kinetoscopic Record of a Sneeze	1	Documentary
tt0000009	movie	Miss Jerry	45	Romance
tt0000010	short	Leaving the Factory	1	Action

ratings.csv

tconst	averageRating	numVotes
tt0000001	5.7	1911
tt0000002	5.8	257
tt0000003	6.5	1716
tt0000004	5.6	169
tt0000005	6.2	2532
tt0000006	5.1	173
tt0000007	5.4	790
tt0000008	5.4	2054
tt0000009	5.2	199
tt0000010	6.9	6929

You can use any programming language & SQL database for this task.

1) Create SQL Tables `***movies***` & `***ratings***`, and populate the CSV data into them.

2) Create an HTTP server with the following routes
   a) GET `/api/v1/longest-duration-movies`
      This route returns as JSON the top 10 movies with the longest runTime
      The output should contain tconst, primaryTitle, runtimeMinutes & genres

b) POST `/api/v1/new-movie`
This route takes JSON as input for new movie and saves it into the database
On successful save, it returns “success”

c) ***[BONUS QUESTION]***
GET /api/v1/top-rated-movies
This route returns as JSON the movies with an averageRating > 6.0, in sorted order by averageRating
The output should contain tconst, primaryTitle, genre & averageRating.
