Lab Questions

Answer by completing the tasks above and observing results.

JSON Questions

1. Explain what is CRUD operations and how it is relates to the mongo functions in the exercise.

Answer:

CRUD stands for Create, Read, Update, and Delete. These four fundamental operations are carried out on databases and other persistent data storage.

These are basic ideas in application development and database administration:

1. Create: Including fresh information in the database.
2. Read: Getting current information out of the database.
3. Update: Making changes to the database's current data.
4. Delete: Taking information out of the database.

Relationships:

1. Insert new driver documents (Create).
2. Retrieve driver documents based on criteria (Read).
3. Modify a driver document (Update).
4. Remove a driver document (Delete).
5. Identify all the mongo operators used in the exercise, then explain the usage for each.

Answer:

1. $gte (Greater Than or Equal To): used to filter documents where the rating field is greater than or equal to assigned value. It selects elements whose rating is 4.5 or higher.
2. $inc (Increment): used to increment the rating field of the document and allows for atomic updates of numerical values.
3. Replace the mongo functions in Task 5 to updateMany instead of updateOne, compare the difference based on the result in console and the mongo compass.

Answer:

|  |  |  |
| --- | --- | --- |
|  | updateOne | updateMany |
| console |  | A screenshot of a computer  AI-generated content may be incorrect. |
| Mongo compass |  |  |

1. Replace the mongo functions in Task 6 to deleteMany instead of deleteOne, compare the difference based on the result in console and the mongo compass.

|  |  |  |
| --- | --- | --- |
|  | deleteOne | deleteMany |
| console |  |  |
| Mongo compass |  |  |

Submission Requirements

1. GitHub repository with:
   1. Node.js scripts.

<https://github.com/AqilahS/berr2243-25>

* 1. Screenshots of MongoDB operations.

A screenshot of a computer

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