**WEEK 2: EXERCISE 2**Database System and Cloud (BERR2243)



*Provided by:*

|  |  |
| --- | --- |
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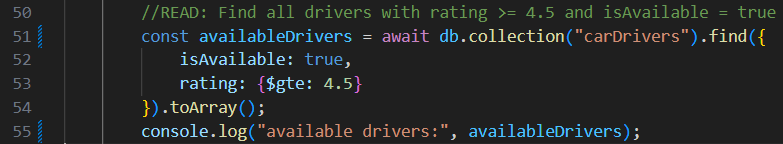
JSON QUESTIONS

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

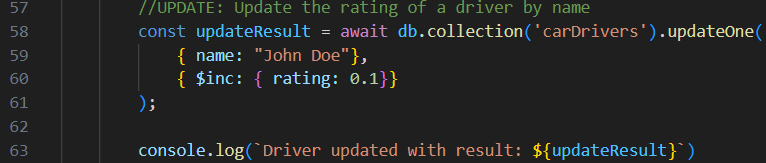
**CRUD operations is the basic operations performed on data stored in databases. CRUD stands for Create, Read, Update and Delete.**

1. Identify all the mongo operators used in the exercise, then explain the usage for each.
2. **$gte (greater than or equal operator)**

**To match value greater than or equal to a specified value**



1. **$inc (increment or decrement operator)**

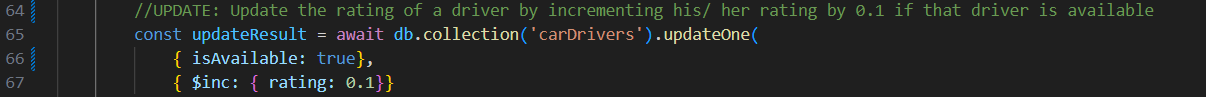
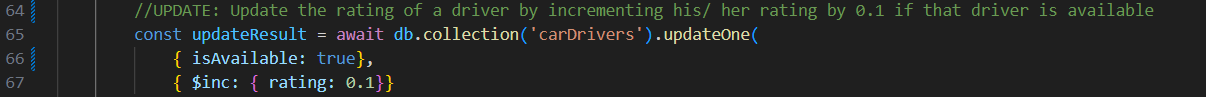
**To increment or decrement the value of numeric field by a specified amount. If positive value is provided, the operator performs increment. If negative value is provided, the operator performs decrement.**

1. 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.

**updateOne() method**

***Code:***

**

***Output:***

***VS Code***

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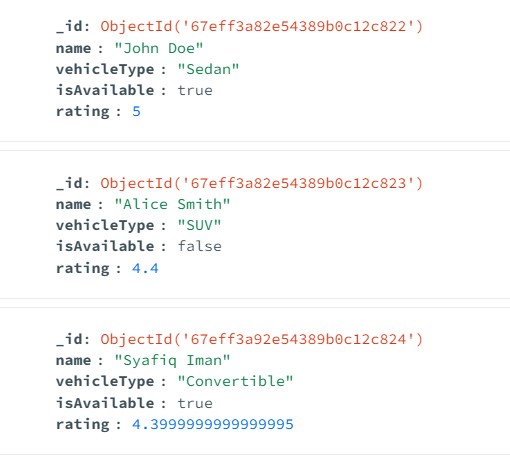
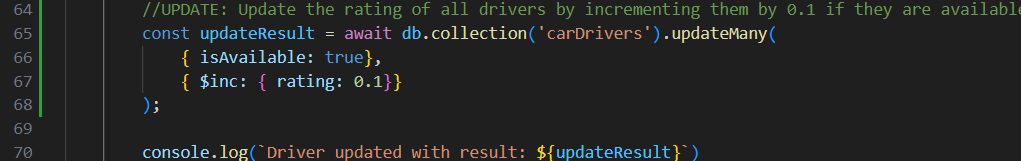
***MongoDB***



Updated the rating when first isAvailable: true only was found

**updateMany() method**

***Code:***

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***Output:***

***VS Code:***

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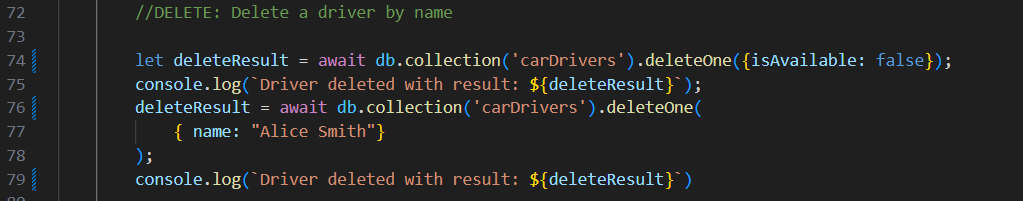
**MongoDB:**

Updated the rating for **all** isAvailable: true were found

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() method**

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 ***Code:***

***Output:***

***VS Code***

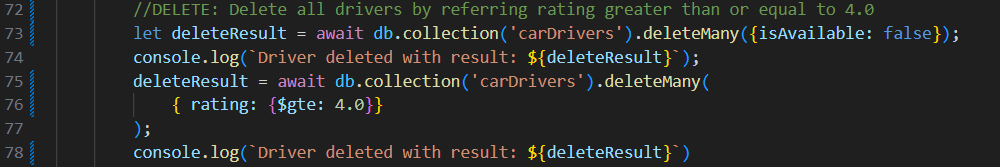
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***MongoDB***

Object name: “Alice Smith” is deleted

**deleteMany() method**

***Code:***

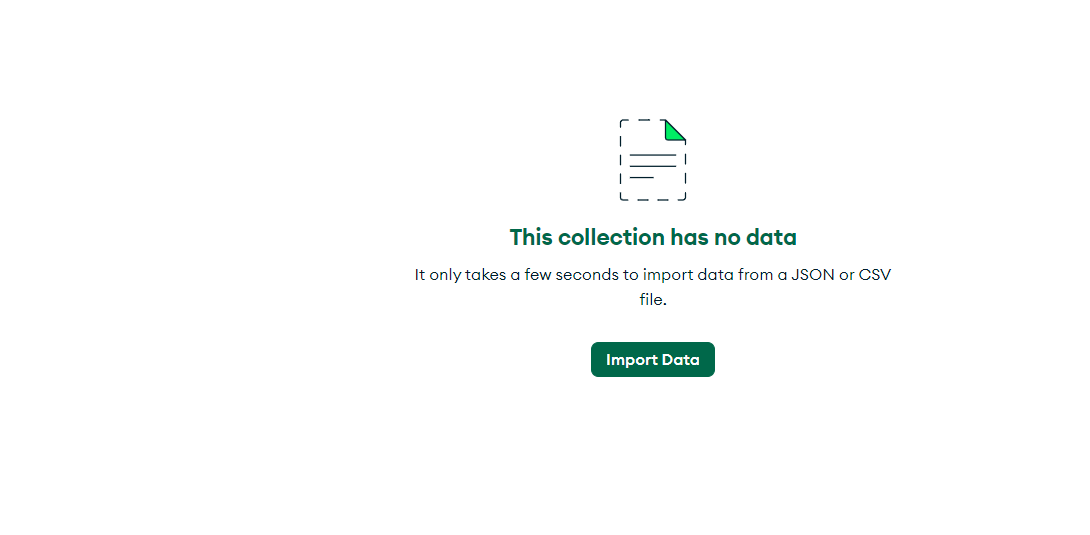
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***Output:***

***VS Code***

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***MongoDB***

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No data at all. All data deleted.

GitHub repository:

https://github.com/Ahmad-Azeem/min-iman/tree/week2