##### 

##### **UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

**FAKULTI TEKNOLOGI DAN KEJURUTERAAN ELEKTRONIK DAN KOMPUTER**

**BERR 2243**

**DATABASE & CLOUD SYSTEM**

**SEM 2 2024/2025**

**EXERCISE : WEEK 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Name** | **Matrix No** | **Photo** |
| 1 | NURUL ANIS HAFIFZA BINTI AMRAN | B122410321 |  |
| 2 | NUR AIN HIDAYAH BINTI ABDUL RAHIM | B122410323 |  |

**NURUL ANIS HAFIFZA BINTI AMRAN (B122410321)**

1. **GitHub Repository**: <https://github.com/anishafifza>
2. **Screenshots of:**

* **Document in MongoDB Compass**

A screenshot of a computer

AI-generated content may be incorrect.

**Exercise Questions**

Answer:

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

**Create – C**

Inserting new documents into a collection.

**A screen shot of a computer

AI-generated content may be incorrect.**

**Read – R**

Querying / fetching documents from a collection.

A screen shot of a computer code

AI-generated content may be incorrect.

**Update – U**

Modifying existing documents.

A screen shot of a computer code

AI-generated content may be incorrect.

**Delete – D**

Removing documents from a collection.

A screen shot of a computer code

AI-generated content may be incorrect.

2. Identify all the mongo operators used in the exercise, then explain the usage for each.

**$gte (Greater Than or Equal to)**:  
Used in the find() query to get all drivers whose rating is 4.5 or higher

A computer screen with text

AI-generated content may be incorrect.

**$inc (Increment Operator)**:   
Used in the updateOne() function to increase John Doe’s rating by 0.1.

A screen shot of a computer code

AI-generated content may be incorrect.

1. Replace the mongo functions in Task 5 to updateMany instead of updateOne, compare the diFerence based on the result in console and the mongo compass.

Before :

A screenshot of a computer

AI-generated content may be incorrect.

After :

A screenshot of a computer

AI-generated content may be incorrect.

4. 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.

Before :

A screenshot of a computer

AI-generated content may be incorrect.

After :

A screenshot of a computer

AI-generated content may be incorrect.