Assignment 9: MongoDB - CRUD

Theory:

In MongoDB's command line interface (CLI), users interact directly with the database using simple commands. Starting with the `mongo` command, users connect to MongoDB and select a specific database using `use <database_name>`. Querying data involves the straightforward `db.<collection_name>.find()` command, while updating documents is achieved through `db.<collection_name>.update()`.

For more complex operations, such as aggregation, users employees, `db.<collection_name>.aggregate()`. Miscellaneous tasks, like deleting documents or counting entries, are handled with appropriate commands. Once tasks are completed, users exit the MongoDB CLI by typing `exit`. This direct approach allows for efficient management and manipulation of data without the need for additional tools or interfaces.

Commands and outputs-

```
a cars
                                       admin.cars
switched to db admin
> db.cars.insertMany([
   { "make": "Toyota", "color": "black", "year": 2010, "price": 150000 },
    { "make": "Ford", "color": "white", "year": 2005, "price": 80000 },
    { "make": "Chevrolet", "color": "blue", "year": 2015, "price": 120000 },
    { "make": "Jaguar", "color": "black", "year": 1977, "price": 50000 },
    { "make": "Ford", "color": "red", "year": 2019, "price": 90000 },
    { "make": "Toyota", "color": "silver", "year": 2008, "price": 110000 },
{ "make": "Ford", "color": "black", "year": 2012, "price": 75000 },
    { "make": "Chevrolet", "color": "red", "year": 2018, "price": 85000 },
    { "make": "Jaguar", "color": "blue", "year": 2016, "price": 180000 },
{ "make": "Ford", "color": "green", "year": 2006, "price": 70000 }
     acknowledged: true,
     insertedIds: {
       '8': ObjectId('65dc696ec6bdb5fbec52f3cc'),
'1': ObjectId('65dc696ec6bdb5fbec52f3cd'),
        '3': ObjectId('65dc696ec6bdb5fbec52f3cf'),
        '4': ObjectId('65dc696ec6bdb5fbec52f3d0'),
                                                        0 🖪 🗓 💼 🛈 🧿
```











