PRACTICAL NO 3

CRUD Operation on MongoDB

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ADVANCED DATABASE

Practical No: 3

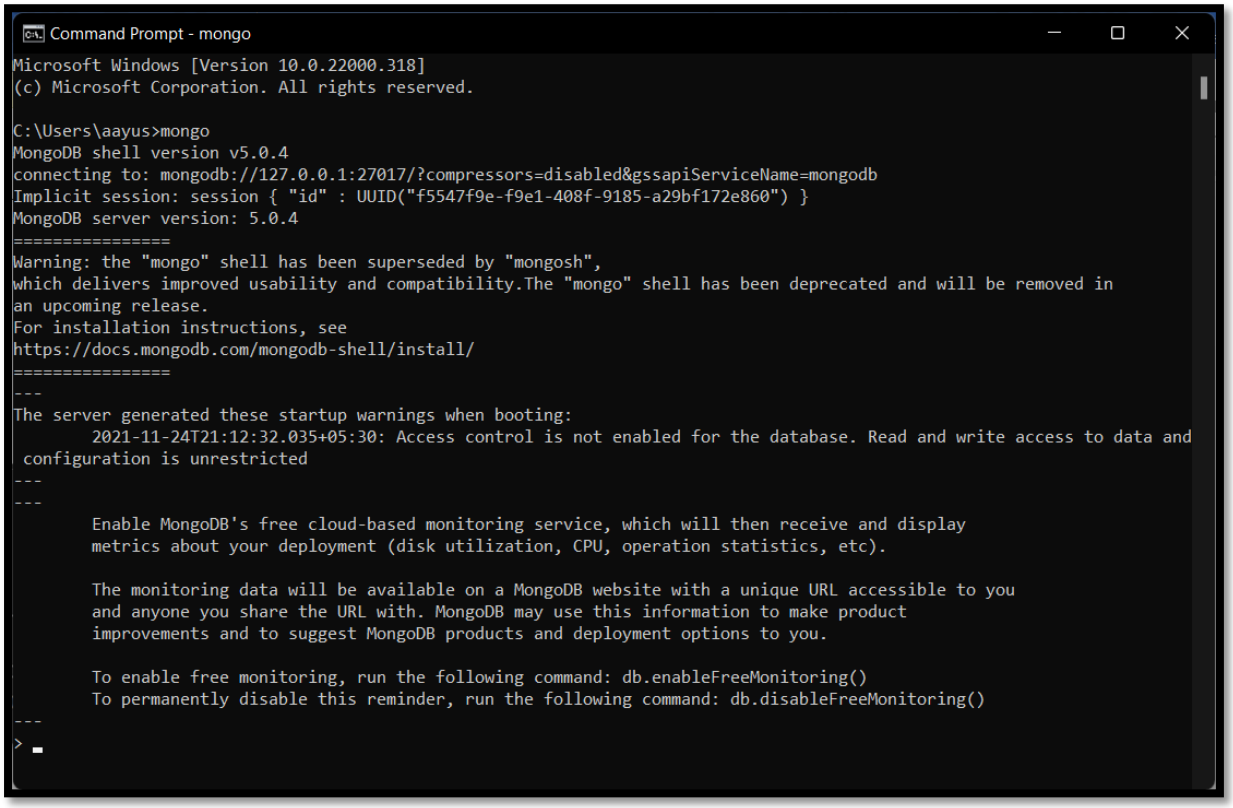
Aim: To perform CRUD Operation using MongoDB.

Software Requirement:

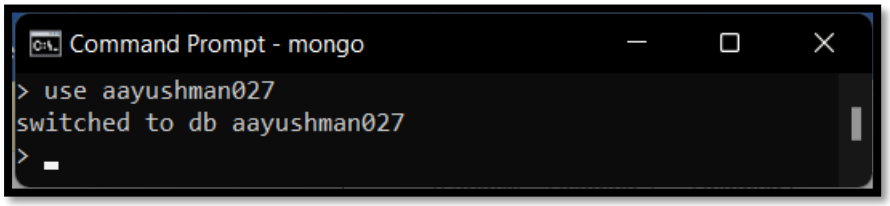
MongoDB

Practical Implementation Steps :

- ✓ **Step 1:-** Open CMD and hit command "Mongo" [To directly run MongoDB from Command Prompt we need to First Set the Environment Variable for MongoDB]
- ✓ To set Environment Variable Follow the Steps:
  - ❖ Open C drive -> Program Files -> MongoDB -> server -> 5.0 -> bin C:\Program Files\MongoDB\Server\5.0\bin [Copy the Path].
  - ❖ Start -> Search For "Edit the System Environment Variable" -> Open.
  - ❖ Add the Copied Path in System Variable and done.

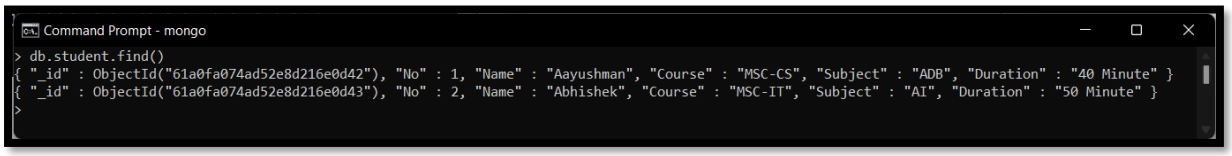


- ✓ **Step 2:** Creating and selecting database
  Command : use aayushman027 [i.e. aayushman027 is Database Name]
  Note: To list all Database use the command : Show dbs.



- ✓ **Step 3:** Creating Collections and Inserting Values **[C - Create]**
  Creating a collection and inserting values can be done together. Here we have orcollection name as 'student '

- ✓ **Step 4:** Read Data from the Collections **[R - Read]**
  To retrieve the inserted document



- ✓ **Step 5:** Updating a Document in a Collection [**U - Update**]

- ✓ **Step 6:** Removing an Entry From the Collection[**D- Delete**]

Conclusion: Successfully Performed and Implemented the CRUD Operation Using MongoDB.