Mongo Shell CRUD Operations

Create Or Insert Document:

1. Open the command prompt and type word "mongo" to open mongo shell.

   ➢ mongo

2. To display working database ,command is:

   ➢ use programmerinfo;

3. To work with new database, command is:

   ➢ use myNewDataBase;

   ➢ db.myCollection.insertOne({x:1});

4. To insert Data ,

   ➢ db.programmerinfos.insertOne({subscription:"false",name:"gopi",tech:"python"});

   {

     "acknowledged" : true,

     "insertedId" : ObjectId("607560aa54988942c87e54de")

   }

5. To retrieve the data is inserted,

   ➢ db.programmerinfos.find({ name: "gopi" });

6. To insert multiple documents,

   ➢ db.programmerinfos.insertMany([{subscription:"false",name:"gokul",tech:"java"},{subscription:"false",name:"ravi",tech:"angular"},{subscription:"true",name:"rahul",tech:"spring"}]);

7. To retrieve inserted documents,use..

   ➢ db.programmerinfos.find({});

Read the Inserted Data:

8. To get or read the inserted data,

   ➢ db.programmerinfos.find(

   {tech:"java"}

)

   { "_id" : ObjectId("6075669954988942c87e54df"), "subscription" : "false", "name" : "gokul", "tech" : "java"}

   ➢ db.programmerinfos.find({tech:"java"},{name:1,id:1})

{ "_id" : ObjectId("6075669954988942c87e54df"), "name" : "gokul" **}**

Update the Inserted Data:

9. To update data in a single document,
   - db.programmerinfos.updateOne({name:"ravi"},{$set:{tech:"hiberanate"},$currentDate: { lastModified: true }})

   { "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
   - db.programmerinfos.find({name:"ravi"})

   {

       "_id" : ObjectId("6075669954988942c87e54e0"),

       "subscription" : "false",

       "name" : "ravi",

       "tech" : "hiberanate",

       "lastModified" : ISODate("2021-04-13T10:12:59.490Z")

   }

10. Replace Operation:
    - db.programmerinfos.replaceOne(

    … … {name:"rahul"},

    … … {name:"rohit",tech:"django"}

    … …);

    { "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
    - db.programmerinfos.find({name:"rohit"})

    { "_id" : ObjectId("6075669954988942c87e54e1"), "name" : "rohit", "tech" : "django" }

11. Update and Modify command:
    - db.programmerinfos.findAndModify({ query:{age:22}, update:{name:"gopi",subscription:"true",tech:"scala",age:22} })

    { "_id" : ObjectId("607560aa54988942c87e54de"), "age" : 22 }

    - db.programmerinfos.find({name:"gopi"})

    { "_id" : ObjectId("607560aa54988942c87e54de"), "name" : "gopi", "subscription" : "true", "tech" : "scala", "age" : 22 }

Delete the Inserted Data:

12. Delete using object id:

➢ db.programmerinfos.deleteOne({ "_id" : ObjectId("6075669954988942c87e54e1") });
{ "acknowledged" : true, "deletedCount" : 1 }

➢ db.programmerinfos.find({"_id" : ObjectId("6075669954988942c87e54e1") });
(no record)

Using FindOneAndDelete:

➢ db.programmerinfos.findOneAndDelete({"name":"gokul"})
{
    "_id" : ObjectId("6075669954988942c87e54df"),
    "subscription" : "false",
    "name" : "gokul",
    "tech" : "java
}

➢ db.programmerinfos.find({"name":"gokul"});
 (no value)