**Mongo Shell CRUD Operations**

**Create Or Insert Document:**

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

* mongo

1. To display working database ,command is:

* use programmerinfo;

1. To work with new database, command is:

* use myNewDataBase;
* db.myCollection.insertOne({x:1});

1. To insert Data ,

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

{

"acknowledged" : true,

"insertedId" : ObjectId("607560aa54988942c87e54de")

}

1. To retrieve the data is inserted,

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

1. 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"} ]);

1. To retrieve inserted documents,use..

* db.programmerinfos.find({});

**Read the Inserted Data:**

1. 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:**

1. 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")

}

1. 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" }

1. 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:**

1. 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)

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