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Roll No:27

Batch: R-MCA

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ADVANCED DBMS LAB

Experiment No: 8

Aim

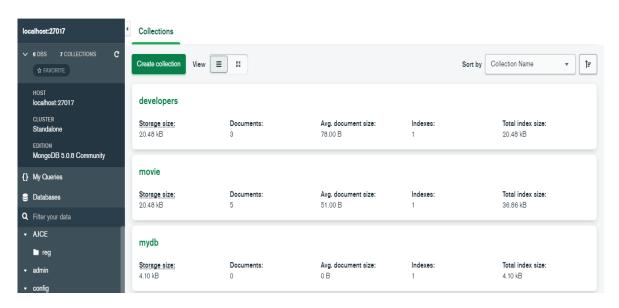
Create database and Practice CRUD operations

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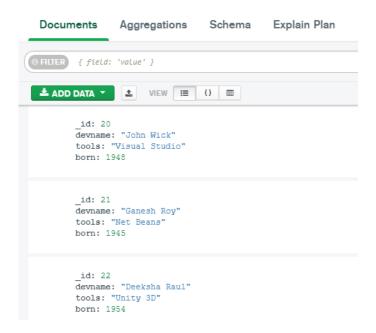
Procedure

Step1: Create data base and inert tables.

Output



my project db.developers

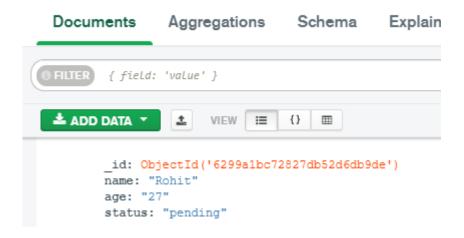


CRUD operation

Step 2: Create or insert operations add new documents to a collection.

db.details.insertOne({name:"Rohit",age:"27",status:"pending"})

my_project_db.details



db.details.**insertMany**([{name:"Rohit",age:"27",status:"pending"},{name:"Aswathy",age:22,status:"pending"},{name:"Aswin",age:26,status:"pending"}])

Output:

```
_id: ObjectId('6299a27372827db52d6db9df')
name: "Rohit"
age: "27"
status: "pending"

_id: ObjectId('6299a27372827db52d6db9e0')
name: "Aswathy"
age: 22
status: "pending"

_id: ObjectId('6299a27372827db52d6db9e1')
name: "Aswin"
age: 26
status: "pending"
```

Step 3: Read operations retrieve documents from a collection

```
db.details.find({age:{$gt:25}},{name:1,address:1}).limit(5)
```

Output:

```
b db.details.find({age:{$gt:25}},{name:1,address:1}).limit(5)
{ "_id" : ObjectId("6299a27372827db52d6db9e1"), "name" : "Aswin" }
b
```

Step 4: Update operations, which modify existing documents in a collection.

```
db.details.updateMany({age:{$gt:25}},{$set:{status:"reject"}})
```

Output:

```
db.details.updateMany({age:{$gt:25}},{$set:{status:"reject"}}
 acknowledged" : true, "matchedCount
                                                      "modifiedCount"
                                               : 1,
    id: ObjectId('6299a27372827db52d6db9df')
   name: "Rohit"
   age: "27"
   status: "pending"
    id: ObjectId('6299a27372827db52d6db9e0')
   name: "Aswathy"
   age: 22
   status: "pending"
    id: ObjectId('6299a27372827db52d6db9e1')
   name: "Aswin"
   age: 26
   status: "reject"
```

db.details.**updateOne**({name:"Aswathy"},{\$set:{status:"selected"}})

Output:

```
db.details.updateOne({name:"Aswathy"},{$set:{status:"selected"}})
"acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }

_id: ObjectId('6299a27372827db52d6db9e0')
name: "Aswathy"
age: 22
status: "selected"
```

Step 5: Delete operations, which remove documents from a collection.

db.details.deleteMany({status:"reject"})

Output:

```
db.details.deleteMany({status:"reject"})
{ "acknowledged" : true, "deletedCount" : 1 }

_id: ObjectId('6299a27372827db52d6db9df')
name: "Rohit"
age: "27"
status: "pending"

_id: ObjectId('6299a27372827db52d6db9e0')
name: "Aswathy"
age: 22
status: "pending"
```

db.details.deleteOne({name:"Rohit"})

Output;

```
db.details.deleteOne({name:"Rohit"})
"acknowledged" : true, "deletedCount" : 1 }

_id: ObjectId('6299a27372827db52d6db9e0')
name: "Aswathy"
age: 22
status: "pending"
```