### ADVANCED DBMS LAB

# **Experiment No: 8**

## Aim

Create database and Practice CRUD operations

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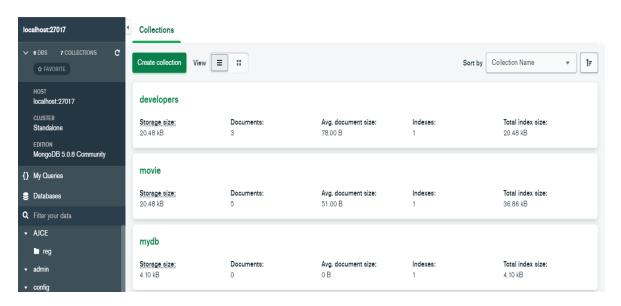
Date: 03-06-2022

## **Procedure**

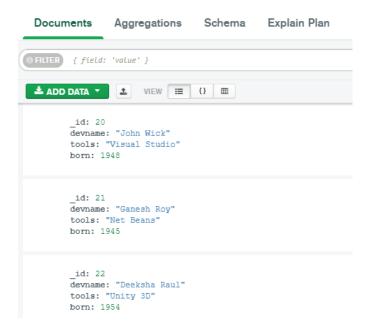
**Step1:** Create data base and inert tables.

```
use my_project_db
show dbs
db.createCollection("mydb")
db.createCollection("movie")
db.movie.insert({"name":"Avengers: Endgame"})
db.movie.insert(
[
{"name": "Avengers: Infinity War" },
{ "name": "Avengers: Endgame" }
]
)
db.developers.insertMany(
[
{_id: 20, devname: "John Wick", tools: "Visual Studio", born: 1948 },
{_id: 21, devname: "Ganesh Roy", tools: "Net Beans", born: 1945 },
{_id: 22, devname: "Deeksha Raul", tools: "Unity 3D", born: 1954 }
]
)
```

#### Output



# my\_project\_db.developers

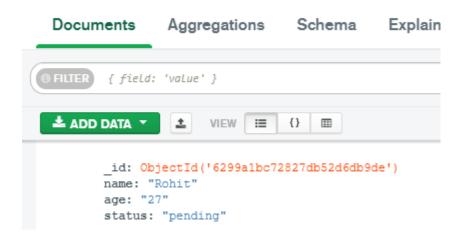


## **CRUD** operation

**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" }
```

**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
                                                : 1,
                                                      "modifiedCount"
    _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"
```