

ADVANCED DBMS LAB

Experiment No.: 8

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Roll No:10

Batch: MCA b batch

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Aim

Create database Practice CRUD operations.

Procedure

1. Create database and use database
use crud_operations

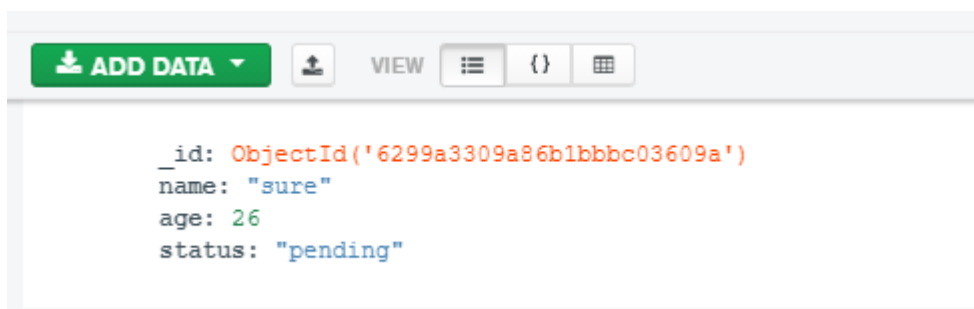
```
> use crud_operations  
switched to db crud_operations
```

2. Display all database
show dbs

```
> show dbs  
AJCE          0.000GB  
Ajce1         0.000GB  
admin         0.000GB  
config        0.000GB  
crud_operations 0.000GB  
local         0.000GB  
my_project    0.000GB
```

3. Create table and insert value into the table
db.users.insertOne({ name:"sure",age:26,status:"pending" })

```
> db.users.insertOne( { name:"sure",age:26,status:"pending" } )  
{  
  "acknowledged" : true,  
  "insertedId" : ObjectId("6299901b9a86b1bbbc036097")  
}
```



4. Insert many values into the table.

```
db.users.insertMany( [{ name:"sam",age:24,status:"pending"},
{name:"ram",age:20,status:"pending"} ])
```

```
> db.users.insertMany( [{ name:"sam",age:24,status:"pending"},
{name:"ram",age:20,status:"pending"} ])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("629990f39a86b1bbbc036098"),
    ObjectId("629990f39a86b1bbbc036099")
  ]
}
```

ADD DATA	VIEW			
<pre>_id: ObjectId('6299a3309a86b1bbbc03609a') name: "sure" age: 26 status: "pending"</pre>				
<pre>_id: ObjectId('6299a33f9a86b1bbbc03609b') name: "sam" age: 24 status: "pending"</pre>				
<pre>_id: ObjectId('6299a33f9a86b1bbbc03609c') name: "ram" age: 20 status: "pending"</pre>				

5. Display tables
show collections

```
> show collections
insertmany
insertone
users
```

6. Find particular table Datas.
db.users.find({age:{\$gt:18}},
... {name:1,address:1}
...).limit(5)

```
> db.users.find( {age:{$gt:18}},
... {name:1,address:1}
... ).limit(5)
{ "_id" : ObjectId("6299901b9a86b1bbbc036097"), "name" : "sure" }
{ "_id" : ObjectId("629990f39a86b1bbbc036098"), "name" : "sam" }
{ "_id" : ObjectId("629990f39a86b1bbbc036099"), "name" : "ram" }
```

7. Modify existing operation in a collection

db.users.updateMany({age:{\$lt:24}}, {\$set:{status:"reject"}})

```
> db.users.updateMany( {age:{$lt:24}}, {$set:{status:"reject"}} )
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
```

```
_id: ObjectId('6299901b9a86b1bbbc036097')
name: "sure"
age: 26
status: "pending"
```

```
_id: ObjectId('629990f39a86b1bbbc036098')
name: "sam"
age: 24
status: "pending"
```

```
_id: ObjectId('629990f39a86b1bbbc036099')
name: "ram"
age: 20
status: "reject"
```

8. Remove documents from a collection

db.users.deleteMany(

... {status:"reject"}

...)

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

```
_id: ObjectId('6299901b9a86b1bbbc036097')
name: "sure"
age: 26
status: "pending"
```

```
_id: ObjectId('629990f39a86b1bbbc036098')
name: "sam"
age: 24
status: "pending"
```