

# ADVANCED DBMS LAB

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Roll No: 13

Batch: MCA B

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## EXPERIMENT :8

### AIM

Perform CRUD Operations

### Procedure & Output

#### 1.CREATE

- Create Database

```
> use my_project_db  
switched to db my_project_db
```

- Listing All Databases

```
> show dbs  
Ajce          0.000GB  
admin         0.000GB  
config        0.000GB  
local         0.000GB  
movie         0.000GB  
my_project_db 0.000GB  
rmca2023a     0.000GB
```

- Creating Collections(Tables)

```
> db.createCollection("mydb")  
{ "ok" : 1 }
```

```
> db.createCollection("movie")  
{ "ok" : 1 }
```

```
> db.createCollection("developers")  
{ "ok" : 1 }
```

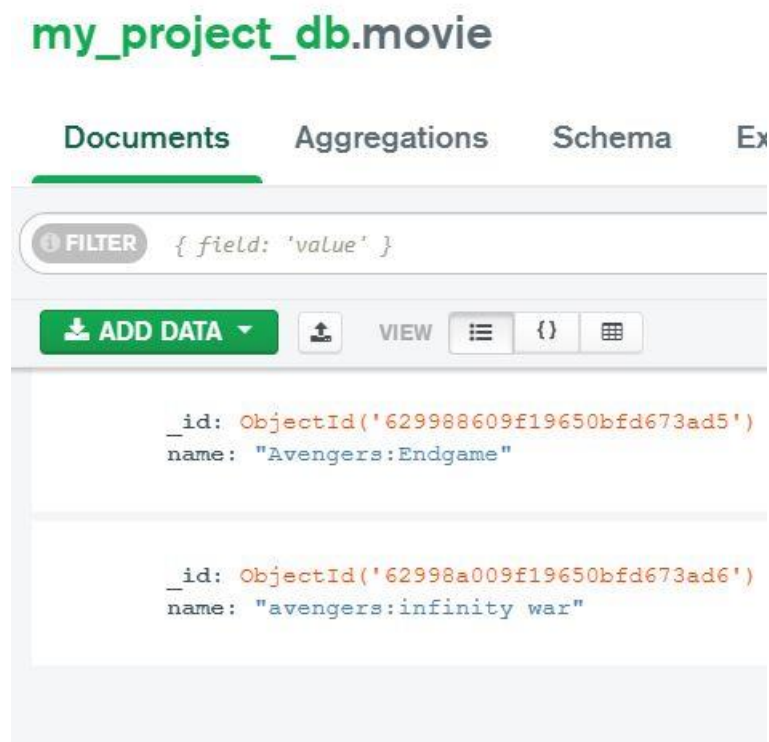
➤ Show Collections

```
> show collections
developers
movie
mydb
```

➤ Inserting Values to Collection

```
> db.movie.insert({"name":"Avengers:Endgame"})
WriteResult({ "nInserted" : 1 })
```

```
> db.movie.insert({"name":"avengers:infinity war"}, {"name":"avengers:Endgame"})
WriteResult({ "nInserted" : 1 })
```







➤ Insert Multiple values to Collection

```
> 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 }
... ]
... )
{ "acknowledged" : true, "insertedIds" : [ 20, 21, 22 ] }
```

### my\_project\_db.developers

Documents Aggregations Schema

**FILTER** { field: 'value' }

**ADD DATA**  **VIEW**   

<pre>_id: 20 devname: "John Wick" tools: "Visual Studio" born: "1950"</pre>
<pre>_id: 21 devname: "Ganesh Roy" tools: "Net Beans" born: 1945</pre>
<pre>_id: 22 devname: "Deeksha Raul" tools: "Unity 3D" born: 1954</pre>

## 2. READ

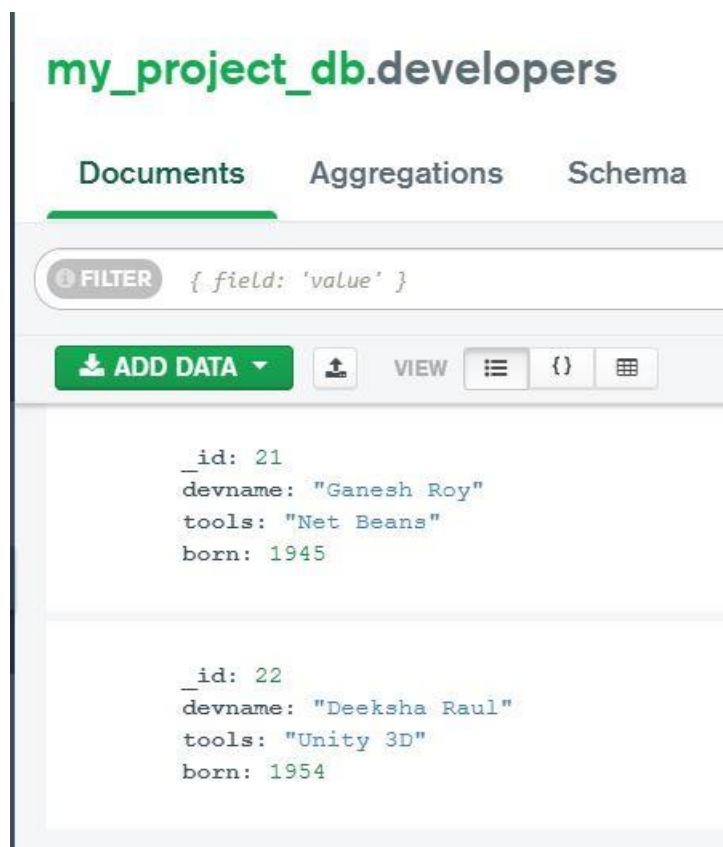
```
> db.developers.find()
{ "_id" : 20, "devname" : "John Wick", "tools" : "Visual Studio", "born" : "1950" }
{ "_id" : 21, "devname" : "Ganesh Roy", "tools" : "Net Beans", "born" : 1945 }
{ "_id" : 22, "devname" : "Deeksha Raul", "tools" : "Unity 3D", "born" : 1954 }
```

## 3. UPDATE

```
> db.developers.update({"_id":20},{ $set:{"born":"1950"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

## 4.DELETE





```
> db.developers.deleteOne({"_id":20})
{ "acknowledged" : true, "deletedCount" : 1 }
```



my\_project\_db.developers

Documents Aggregations Schema

**FILTER** { field: 'value' }

**ADD DATA**  **VIEW**   

```
_id: 21
devname: "Ganesh Roy"
tools: "Net Beans"
born: 1945
```

```
_id: 22
devname: "Deeksha Raul"
tools: "Unity 3D"
born: 1954
```