

Assignment No : 9

Aim:- Design and Develop MongoDB queries using CRUD Operations.(Use CRUD Operations,SAVE method,logical Operations).

```
(base) sspm@sspm:~$ sudo su [sudo]
```

password for sspm:

```
root@sspm:/home/sspm# mongo
```

MongoDB shell version v3.6.8 connecting

to: mongodb://127.0.0.1:27017

Implicit session: session { "id" : UUID("826c81b8-74de-463c-8d22-6c7329b5e563") }

MongoDB server version: 3.6.8

Server has startup warnings:

2024-10-14T13:45:51.130+0530 I STORAGE [initandlisten]

2024-10-14T13:45:51.130+0530 I STORAGE [initandlisten] ** WARNING: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine

2024-10-14T13:45:51.130+0530 I STORAGE [initandlisten] ** See <http://dochub.mongodb.org/core/prodnotes-filesystem>

2024-10-14T13:45:54.399+0530 I CONTROL [initandlisten]

2024-10-14T13:45:54.399+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.

2024-10-14T13:45:54.399+0530 I CONTROL [initandlisten] ** Read and write access to data and configuration is unrestricted.

2024-10-14T13:45:54.399+0530 I CONTROL [initandlisten]

```
> use te; switched
```

```
to db te
```

```
> db.createCollection('employee') {
```

```
  "ok" : 0,
```

```
  "errmsg" : "a collection 'te.employee' already exists",
```

```
  "code" : 48,
```

```
  "codeName" : "NamespaceExists" }
```

```
> db.createCollection('employee1')
```

```
{ "ok" : 1 }
```

```
> db.employee1.insert({emp_id:101,name:'smith',job:'manager',salary:30000})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.employee1.insert({emp_id:102,name:'rohit',job:'hr',salary:40000})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.employee1.insert({emp_id:103,name:'omkar',job:'operator',salary:50000})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.employee1.insert({emp_id:104,name:'Siddhu',job:'secreatary',salary:20000})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.employee.find().pretty()
```

```
> db.employee1.find().pretty() {
```

```
  "_id" : ObjectId("670cd94aab190367cc7e7f95"),
```

```
  "emp_id" : 101,
```

```
  "name" : "smith",
```

```
  "job" : "manager",
```

```
  "salary" : 30000 } {
```

```
  "_id" : ObjectId("670cd962ab190367cc7e7f96"),
```

```
  "emp_id" : 102,
```

```
  "name" : "rohit",
```

```
  "job" : "hr",
```

```
  "salary" : 40000 } {
```

```
  "_id" : ObjectId("670cd97aab190367cc7e7f97"),
```

```
  "emp_id" : 103,
```

```
  "name" : "omkar",
```

```
  "job" : "operator",
```

```
  "salary" : 50000
```

```
}
```

```
{
```

```
  "_id" : ObjectId("670cd9a2ab190367cc7e7f98"),
```

```
  "emp_id" : 104,
```

```
  "name" : "Siddhu",
```

```
  "job" : "secreatary",
```

```
    "salary" : 20000 }
> db.employee1.remove({emp_id:104})
WriteResult({ "nRemoved" : 1 })
> db.employee1.find().pretty() {
  "_id" : ObjectId("670cd94aab190367cc7e7f95"),
  "emp_id" : 101,
  "name" : "smith",
  "job" : "manager",
  "salary" : 30000 } {
  "_id" : ObjectId("670cd962ab190367cc7e7f96"),
  "emp_id" : 102,
  "name" : "rohit",
  "job" : "hr",
  "salary" : 40000 } {
  "_id" : ObjectId("670cd97aab190367cc7e7f97"),
  "emp_id" : 103,
  "name" : "omkar",
  "job" : "operator",
  "salary" : 50000 }
> db.employee1.update({emp_id:101,name:'smith'},{$set:{emp_id:104,name:'Siddhu'}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.employee1.find().pretty() {
  "_id" : ObjectId("670cd94aab190367cc7e7f95"),
  "emp_id" : 104,
  "name" : "Siddhu",
  "job" : "manager",
  "salary" : 30000 } {
  "_id" : ObjectId("670cd962ab190367cc7e7f96"),
  "emp_id" : 102,
  "name" : "rohit",
```

```
"job" : "hr",  
"salary" : 40000 } {  
  "_id" : ObjectId("670cd97aab190367cc7e7f97"),  
  "emp_id" : 103,  
  "name" : "omkar",  
  "job" : "operator",  
  "salary" : 50000 }
```

```
> db.employee1.find({emp_id:104,name:'Siddhu'}).pretty() {
```

```
  "_id" : ObjectId("670cd94aab190367cc7e7f95"),  
  "emp_id" : 104,  
  "name" : "Siddhu",  
  "job" : "manager",  
  "salary" : 30000 }
```

```
> db.employee1.find({$or:[{'emp_id':104,'name':'Siddhu'}]}).pretty() {
```

```
  "_id" : ObjectId("670cd94aab190367cc7e7f95"),  
  "emp_id" : 104,  
  "name" : "Siddhu",  
  "job" : "manager",  
  "salary" : 30000 }
```