

# MongoDB Assignment

## Screenshots:

1.

```
saurabhchhimwal@Saurabhs-MacBook-Pro ~ % brew services start mongodb-community@7.0
==> Successfully started 'mongodb-community' (label: homebrew.mxcl.mongodb-commu
saurabhchhimwal@Saurabhs-MacBook-Pro ~ % mongosh
Current Mongosh Log ID: 650c63ab1c1294a7cc182622
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.0.1
Using MongoDB:      7.0.0
Using Mongosh:      2.0.1

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

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The server generated these startup warnings when booting
2023-09-21T21:09:09.223+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

test> show dbs;
CDAC   72.00 KiB
admin  40.00 KiB
config 96.00 KiB
local  72.00 KiB
test> use cdac
switched to db cdac
cdac> show collections
```

2.

```
cdac> use CDAC
switched to db CDAC
CDAC> db.createCollection("Library")
{ ok: 1 }
CDAC> db.library.insert({title:'MongoDB programming',author:'Saurabh',likes:3400})
{
  acknowledged: true,
  insertedIds: { '_id': ObjectId("650c67181c1294a7cc182624") }
}
CDAC> db.library.insert({title:'MySQL programming',authors:['Jack','Jill'],likes:351,price:11})
{
  acknowledged: true,
  insertedIds: { '_id': ObjectId("650c67a11c1294a7cc182625") }
}
```

### 3.

```
CDAC> db.library.find()
[
  {
    _id: ObjectId("650c3a19de62a8c16e4b4d02"),
    title: 'MongoDB Programming',
    author: 'Sameer Dehadrai',
    likes: 30000
  },
  {
    _id: ObjectId("650c3c4ede62a8c16e4b4d03"),
    title: 'MySQL Programming',
    author: [ 'Jack', 'Jill' ],
    likes: 200,
    price: 1233
  },
  {
    _id: ObjectId("650c67181c1294a7cc182624"),
    title: 'MongoDB programming',
    author: 'Saurabh',
    likes: 3400
  },
  {
    _id: ObjectId("650c67a11c1294a7cc182625"),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 351,
    price: 11
  }
]
```

#### 4.

```
CDAC> db.library.find().pretty()
[
  {
    _id: ObjectId("650c3a19de62a8c16e4b4d02"),
    title: 'MongoDB Programming',
    author: 'Sameer Dehadrai',
    likes: 30000
  },
  {
    _id: ObjectId("650c3c4ede62a8c16e4b4d03"),
    title: 'MySQL Programming',
    author: [ 'Jack', 'Jill' ],
    likes: 200,
    price: 1233
  },
  {
    _id: ObjectId("650c67181c1294a7cc182624"),
    title: 'MongoDB programming',
    author: 'Saurabh',
    likes: 3400
  },
  {
    _id: ObjectId("650c67a11c1294a7cc182625"),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 351,
    price: 11
  }
]
```

#### 5.

```
CDAC> db.library.findOne()
{
  _id: ObjectId("650c3a19de62a8c16e4b4d02"),
  title: 'MongoDB Programming',
  author: 'Sameer Dehadrai',
  likes: 30000
}
```

## 6.

```
CDAC> db.library.update({author:'Saurabh'},{$set:{author:'Saurabh Chandra'}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
[{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}]
CDAC> db.library.find()
[[
  {
    _id: ObjectId("650c3a19de62a8c16e4b4d02"),
    title: 'MongoDB Programming',
    author: 'Sameer Dehadrai',
    likes: 30000
  },
  {
    _id: ObjectId("650c3c4ede62a8c16e4b4d03"),
    title: 'MySQL Programming',
    author: [ 'Jack', 'Jill' ],
    likes: 200,
    price: 1233
  },
  {
    _id: ObjectId("650c67181c1294a7cc182624"),
    title: 'MongoDB programming',
    author: 'Saurabh Chandra',
    likes: 3400
  },
  {
    _id: ObjectId("650c67a11c1294a7cc182625"),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 351,
    price: 11
  }
]]
```



## 7.

```
CDAC> db.library.remove({likes:219})
DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.
{ acknowledged: true, deletedCount: 0 }
CDAC> db.library.find()
[
  {
    _id: ObjectId("650c3a19de62a8c16e4b4d02"),
    title: 'MongoDB Programming',
    author: 'Sameer Dehadrai',
    likes: 30000
  },
  {
    _id: ObjectId("650c3c4ede62a8c16e4b4d03"),
    title: 'MySQL Programming',
    author: [ 'Jack', 'Jill' ],
    likes: 200,
    price: 1233
  },
  {
    _id: ObjectId("650c67181c1294a7cc182624"),
    title: 'MongoDB programming',
    author: 'Saurabh Chandra',
    likes: 3400
  },
  {
    _id: ObjectId("650c67a11c1294a7cc182625"),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 351,
    price: 11
  }
]
CDAC> db.library.remove({likes:200})
{ acknowledged: true, deletedCount: 1 }
CDAC> db.library.drop()
true
CDAC> show collections
library
CDAC> db.library.drop()
true
```

## 8.

```
CDAC> show collections

CDAC> db.dropDatabase('CDAC')
{ ok: 1, dropped: 'CDAC' }
[CDAC> show dbs
admin      40.00 KiB
[config    108.00 KiB
local      72.00 KiB
[CDAC> exit
saurabhchhimwal@Saurabhs-MacBook-Pro ~ %
```

