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1.Create a new database named CDAC and connect to it use

CDAC

```
test> use CDAC
switched to db CDAC
CDAC> |
```

2.View list of available collections in CDAC database show

collections

```
test> use CDAC
switched to db CDAC
CDAC> show collections

CDAC> |
```

3.Create a new collection by the name of LIBRARY

db.createCollection("LIBRARY")

```
CDAC> db.createCollection("LIBRARY")
{ ok: 1 }
CDAC> |
```

4.Insert the following document in the LIBRARY collection

title:'MongoDB programming', author:'Sameer', likes:100 */

db.LIBRARY.insert({title:'MongoDB programming',

author:'Sameer', likes:100})

```
CDAC> db.LIBRARY.insert({title:'MongoDB programming', author:'Sameer', likes:100})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67cec9bc541f1ba3c8c73bf8') }
}
CDAC> |
```

5.View the recently inserted document and note the `_id`

field `db.LIBRARY.find()`

```
CDAC> db.LIBRARY.find()
[
  {
    _id: ObjectId('67cec9bc541f1ba3c8c73bf8'),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  }
]
CDAC> |
```

6.Insert another document in the LIBRARY collection as

follows title:'MySQL programming', authors:['Jack','Jill'],

likes:200 */ `db.LIBRARY.insert({title:'MySQL programming',`

`authors:['Jack','Jill'], likes:200})`

```
CDAC> db.LIBRARY.insert({title:'MySQL programming', authors:['Jack','Jill'], likes:200})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67cec9fa541f1ba3c8c73bf9') }
}
CDAC> |
```

7.View the inserted documents `db.LIBRARY.find()`

```
CDAC> db.LIBRARY.find()
[
  {
    _id: ObjectId('67cec9bc541f1ba3c8c73bf8'),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  },
  {
    _id: ObjectId('67cec9fa541f1ba3c8c73bf9'),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 200
  }
]
CDAC> |
```

8.View only the first inserted document

db.LIBRARY.findOne()

```
CDAC> db.LIBRARY.findOne()
{
  _id: ObjectId('67cec9bc541f1ba3c8c73bf8'),
  title: 'MongoDB programming',
  author: 'Sameer',
  likes: 100
}
CDAC> |
```

9.View the documents using the pretty() method

db.LIBRARY.find().pretty()

```
CDAC> db.LIBRARY.find().pretty()
[
  {
    _id: ObjectId('67cec9bc541f1ba3c8c73bf8'),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  },
  {
    _id: ObjectId('67cec9fa541f1ba3c8c73bf9'),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 200
  }
]
CDAC> |
```

10.Update the document where author name = Sameer and change it to Sameer Dehadrai

db.LIBRARY.update({author:'Sameer'},{\$set:{author:'Sameer Dehadrai'}})

```
CDAC> db.LIBRARY.update({author:'Sameer'},{$set:{author:'Sameer Dehadrai'}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
CDAC> |
```

11.Delete all documents that have 100 likes

db.LIBRARY.remove({likes:100})

```
CDAC> db.LIBRARY.remove({likes:100})
DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.
{ acknowledged: true, deletedCount: 1 }
CDAC> |
```

12.Drop the LIBRARY collection

db.LIBRARY.drop()

```
CDAC> db.LIBRARY.drop()
true
CDAC> |
```

13.Drop the CDAC database db.dropDatabase()

```
CDAC> db.dropDatabase()
{ ok: 1, dropped: 'CDAC' }
CDAC> |
```

14.Exit from MongoDB shell

exit

```
cdac> exit

C:\Users\HP>|
```