1) View list of available databases

```
test> show dbs
admin    40.00 KiB
cdac      8.00 KiB
config   72.00 KiB
local    72.00 KiB
```

2) Create a new database named CDAC and connect to it

```
test> use cdac
switched to db cdac
```

3) View list of available collections in CDAC database

```
test> show dbs
admin    40.00 KiB
cdac      8.00 KiB
config   72.00 KiB
local    72.00 KiB
```

4) Create a new collection by the name of LIBRARY

```
cdac> db.createCollection('library')
{ ok: 1 }
```

5) Insert the following document in the LIBRARY collection:-
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('66069bd521496ae3bf7b2da9') }
}
```

6) View the recently inserted document and note the _id field

```
cdac> db.library.find()
[
  {
    _id: ObjectId('66069bd521496ae3bf7b2da9'),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  }
]
cdac>
```

7) Insert another document in the LIBRARY collection as follows:-
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('66069d8921496ae3bf7b2dad') }
}
```

8) View the inserted documents

```
cdac> db.library.find()
[
  {
    _id: ObjectId('66069d5221496ae3bf7b2dac'),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  },
  {
    _id: ObjectId('66069d8921496ae3bf7b2dad'),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 200
  }
]
cdac> []
```

9) View only the first inserted document

```
cdac> db.library.findOne()
{
  _id: ObjectId('66069d5221496ae3bf7b2dac'),
  title: 'MongoDB programming',
  author: 'Sameer',
  likes: 100
}
cdac> []
```

10) View the documents using the pretty() method

```
cdac> db.library.find().pretty()
[
  {
    _id: ObjectId('66069d5221496ae3bf7b2dac'),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  },
  {
    _id: ObjectId('66069d8921496ae3bf7b2dad'),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 200
  }
]
cdac>
```

11) Update the document where author name Sameer and change it to 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> db.library.find()
[
  {
    _id: ObjectId('66069d5221496ae3bf7b2dac'),
    title: 'MongoDB programming',
    author: 'Sameer Dehadrai',
    likes: 100
  },
  {
    _id: ObjectId('66069d8921496ae3bf7b2dad'),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 200
  }
```

12) Delete all documents that have 100 likes

```
cdac> db.library.remove({likes:100})
DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.
{ acknowledged: true, deletedCount: 1 }
cdac> db.library.find()
[
  {
    _id: ObjectId('66069d8921496ae3bf7b2dad'),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 200
  }
]
cdac>
```

13) Drop the LIBRARY collection

```
cdac> db.library.drop()
true
cdac>
```

14) Drop the CDAC database

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

15) Stop MongoDB server

```
cdac>
(To exit, press Ctrl+C again or Ctrl+D or type .exit)
cdac>
vishal@vishal-ubuntu:~/dbt$
```