

### 7. Create a new database named CDAC and connect to it

```
Atlas atlas-uvzqxe-shard-0 [primary] myFirstDatabase> use CDAC
switched to db CDAC
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db
CDAC
Atlas atlas-uvzqxe-shard-0 [primary] CDAC>
```

### 8. View list of available collections in CDAC database

```
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> show tables
DBDA
LIBRARY
```

### 9. Create a new collection by the name of LIBRARY

```
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.createCollection('LIBRARY')
{ ok: 1 }
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> show tables
DBDA
LIBRARY
```

### 10. Insert the following document in the LIBRARY collection:-

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

```
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.insertOne({title:'Mongodb
programming',author:'Sameer',likes:100})
{
  acknowledged: true,
  insertedId: ObjectId("625f87c4f965e06c42406c61")
}
```

### 11.View the recently inserted document and note the \_id field

```
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.find()
[
  {
    _id: ObjectId("625f87c4f965e06c42406c61"),
    title: 'Mongodb programming',
    author: 'Sameer',
    likes: 100
  }
]
```

### 12. Insert another document in the LIBRARY collection as follows:-

**title:'MySQL programming', authors:['Jack','Jill'], likes:200**

```
Atlas atlas-uvzqxe-shard-0 [primary] CDAC>
db.LIBRARY.insertOne({title:'MySQL',author:['Jack','Jill'],likes:200})
{
  acknowledged: true,
  insertedId: ObjectId("625f890df965e06c42406c63")
}
```

### 13. View the inserted documents

Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.find()

```
[
  {
    _id: ObjectId("625f87c4f965e06c42406c61"),
    title: 'Mongodb programming',
    author: 'Sameer',
    likes: 100
  },
  {
    _id: ObjectId("625f88cbf965e06c42406c62"),
    title: 'MySQL',
    author: [ 'Sameer', 'Jill' ],
    likes: 200
  },
  {
    _id: ObjectId("625f890df965e06c42406c63"),
    title: 'MySQL',
    author: [ 'Jack', 'Jill' ],
    likes: 200
  }
]
```

### 14. View only the first inserted document

Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.findOne()

```
{
  _id: ObjectId("625f87c4f965e06c42406c61"),
  title: 'Mongodb programming',
  author: 'Sameer',
  likes: 100
}
```

### 15. View the documents using the pretty() method

Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.find().pretty()

```
[
  {
    _id: ObjectId("625f87c4f965e06c42406c61"),
    title: 'Mongodb programming',
    author: 'Sameer',
    likes: 100
  },
  {
    _id: ObjectId("625f88cbf965e06c42406c62"),
    title: 'MySQL',
    author: [ 'Sameer', 'Jill' ],
    likes: 200
  },
  {

```

```

    _id: ObjectId("625f890df965e06c42406c63"),
    title: 'MySQL',
    author: [ 'Jack', 'Jill' ],
    likes: 200
  }
]

```

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

```

Atlas atlas-uvzqxe-shard-0 [primary] CDAC>
db.LIBRARY.updateOne({author:'Sameer'},{$set:{author:'Sameer Deharai'}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.find().pretty()
[
  {
    _id: ObjectId("625f87c4f965e06c42406c61"),
    title: 'Mongodb programming',
    author: 'Sameer Deharai',
    likes: 100
  }
]

```

#### 17. Delete all documents that have 100 likes

```

Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.deleteMany({likes:100})
{ acknowledged: true, deletedCount: 1 }
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.find().pretty()
[
  {
    _id: ObjectId("625f88cbf965e06c42406c62"),
    title: 'MySQL',
    author: [ 'Sameer', 'Jill' ],
    likes: 200
  },
  {
    _id: ObjectId("625f890df965e06c42406c63"),
    title: 'MySQL',
    author: [ 'Jack', 'Jill' ],
    likes: 200
  }
]

```

### **18. Drop the LIBRARY collection**

```
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.LIBRARY.drop()
true
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> show tables
DBDA
```

### **19. Drop the CDAC database**

```
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> db.dropDatabase()
{ ok: 1, dropped: 'CDAC' }
```

### **20. Exit from MongoDB shell**

```
Atlas atlas-uvzqxe-shard-0 [primary] CDAC> exit
```

```
C:\Users\Malkeet>
```

### **21. Stop MongoDB server**

```
OK done
```