**1. Install MongoDB database server**

**2. Create a directory/folder to store MongoDB datafiles**

**3. Set necessary path environment variable**

**4. Startup MongoDB database**

**5. Connect to MongoDB database through the MongoDB shell command line interface 6. View list of available databases**

->    Atlas atlas-92a0no-shard-0 [primary] myFirstDatabase> show dbs

dbda\_2022      221 kB

test\_db\_dbda    41 kB

admin          340 kB

local         5.59 GB

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

->  Atlas atlas-92a0no-shard-0 [primary] myFirstDatabase> use CDAC

     switched to db CDAC

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

-> Atlas atlas-92a0no-shard-0 [primary] CDAC> show collections

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

-> Atlas atlas-92a0no-shard-0 [primary] CDAC> db.createCollection('LIBRARY')

    { ok: 1 }

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

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

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.LIBRARY.insertOne({title:'MongoDB programming',author:'Sameer',likes:100})

{

  acknowledged: true,

  insertedId: ObjectId("625e8cf3180ac51950148e0b")

}

**11. View the recently inserted document and note the \_id field :-**

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.LIBRARY.find()

[

{

\_id: ObjectId("625e8cf3180ac51950148e0b"),

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-92a0no-shard-0 [primary] CDAC> db.LIBRARY.insertOne({title:'MySQL programming',authors:['jack','jill'],likes:200})

{

acknowledged: true,

insertedId: ObjectId("625e9022180ac51950148e0c")

}

**13. View the inserted documents**

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.LIBRARY.insertOne({title:'MySQL programming',authors:['jack','jill'],likes:200})

{

acknowledged: true,

insertedId: ObjectId("625e9022180ac51950148e0c")

}

**14. View only the first inserted document**

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.LIBRARY.find().limit(1)

[

{

\_id: ObjectId("625e8cf3180ac51950148e0b"),

title: 'MongoDB programming',

author: 'Sameer',

likes: 100

}

]

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

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.LIBRARY.find().pretty()

[

{

\_id: ObjectId("625e8cf3180ac51950148e0b"),

title: 'MongoDB programming',

author: 'Sameer',

likes: 100

},

{

\_id: ObjectId("625e9022180ac51950148e0c"),

title: 'MySQL programming',

authors: [ 'jack', 'jill' ],

likes: 200

}

]

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

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.LIBRARY.update({author:"Sameer"},{$set:{author:"Sameer Dehdrai"}})

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

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

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.LIBRARY.deleteMany({likes:100})

{ acknowledged: true, deletedCount: 1 }

**18. Drop the LIBRARY collection**

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.LIBRARY.drop()

true

Atlas atlas-92a0no-shard-0 [primary] CDAC> show collections

**19. Drop the CDAC database**

Atlas atlas-92a0no-shard-0 [primary] CDAC> db.dropDatabase()

MongoServerError: user is not allowed to do action [dropDatabase] on [CDAC.]

**20. Exit from MongoDB shell**

**21. Stop MongoDB server**