**1. Install MongoDB database server**

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

**3. Set necessary path environment variable**

Microsoft Windows [Version 10.0.22000.613]

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C:\Program Files\MongoDB\Server\mongosh-1.3.1-win32-x64>

**4. Startup MongoDB database**

**5. Connect to MongoDB database through the MongoDB shell command line interface**

C:\Program Files\MongoDB\Server\mongosh-1.3.1-win32-x64\bin>mongosh "mongodb+srv://cluster0.cby1s.mongodb.net/myFirstDatabase" --apiVersion 1 --username nishad\_dbda

Enter password: \*\*\*\*\*\*\*\*

Current Mongosh Log ID: 625e8aa781f3041bb275560b

Connecting to: mongodb+srv://cluster0.cby1s.mongodb.net/myFirstDatabase?appName=mongosh+1.3.1

Using MongoDB: 5.0.7 (API Version 1)

Using Mongosh: 1.3.1

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

Warning: Found ~/.mongorc.js, but not ~/.mongoshrc.js. ~/.mongorc.js will not be loaded.

You may want to copy or rename ~/.mongorc.js to ~/.mongoshrc.js.

Atlas atlas-hrg6c2-shard-0 [primary] myFirstDatabase>

**6. View list of available databases.**

Atlas atlas-hrg6c2-shard-0 [primary] myFirstDatabase> show databases;

myFirstDatabase 156 kB

admin 344 kB

local 2.6 GB

Atlas atlas-hrg6c2-shard-0 [primary] myFirstDatabase>

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

Atlas atlas-hrg6c2-shard-0 [primary] myFirstDatabase> show dbs;

CDAC 8.19 kB

Atlas atlas-hrg6c2-shard-0 [primary] myFirstDatabase> use cdac;

switched to db cdac

Atlas atlas-hrg6c2-shard-0 [primary] cdac>

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

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

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> show tables;

Library

Atlas atlas-hrg6c2-shard-0 [primary] CDAC>

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

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

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.insert({title: 'MongoDB programming', authore: 'Sameer', likes: 100})

{

acknowledged: true,

insertedIds: { '0': ObjectId("625e8f3e11a8febcaded2e7d") }

}

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.find()

[

{

\_id: ObjectId("625e8f3e11a8febcaded2e7d"),

title: 'MongoDB programming',

authore: 'Sameer',

likes: 100

}

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

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.find()

[

{

\_id: ObjectId("625e8f3e11a8febcaded2e7d"),

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

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

**13. View the inserted documents**

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.insert({title: 'MySql programming', authors: 'jack,jill', likes: 200})

{

acknowledged: true,

insertedIds: { '0': ObjectId("625e900511a8febcaded2e7e") }

}

View

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.find()

[

{

\_id: ObjectId("625e8f3e11a8febcaded2e7d"),

title: 'MongoDB programming',

authore: 'Sameer',

likes: 100

},

{

\_id: ObjectId("625e900511a8febcaded2e7e"),

title: 'MySql programming',

authors: 'jack,jill',

likes: 200

}

]

**14. View only the first inserted docume**nt

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.find({title:'MongoDB programming'})

[

{

\_id: ObjectId("625e8f3e11a8febcaded2e7d"),

title: 'MongoDB programming',

authore: 'Sameer',

likes: 100

}

)

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

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.find().pretty()

[

{

\_id: ObjectId("625e8f3e11a8febcaded2e7d"),

title: 'MongoDB programming',

authore: 'Sameer',

likes: 100

},

{

\_id: ObjectId("625e900511a8febcaded2e7e"),

title: 'MySql programming',

authors: 'jack,jill',

likes: 200

}

]

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

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.update({authore: 'Sameer'},{$set:{authore:'Sammer Dehadrai'}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.find()

[

{

\_id: ObjectId("625e8f3e11a8febcaded2e7d"),

title: 'MongoDB programming',

authore: 'Sammer Dehadrai',

likes: 100

},

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

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.deleteMany({likes:100})

{ acknowledged: true, deletedCount: 1 }

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.find()

[

{

\_id: ObjectId("625e900511a8febcaded2e7e"),

title: 'MySql programming',

authors: 'jack,jill',

likes: 200

}

]

**18. Drop the LIBRARY collection**

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.drop()

true

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.Library.find()

Atlas atlas-hrg6c2-shard-0 [primary] CDAC>

**19. Drop the CDAC database**

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> db.CDAC.drop()

true

Atlas atlas-hrg6c2-shard-0 [primary] CDAC> show dbs;

myFirstDatabase 156 kB

admin 344 kB

local 2.6 GB