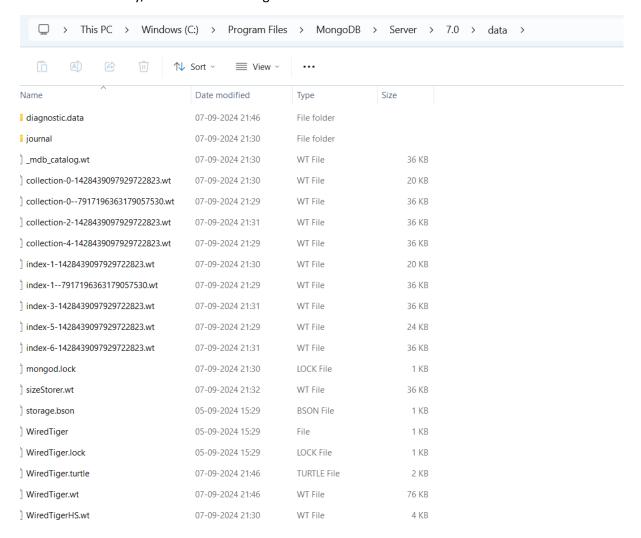
1. Install MongoDB database server

```
PS C:\Users\Raju Kumar> mongod --version
db version v7.0.14

Build Info: {
    "version": "7.0.14",
    "gitVersion": "ce59cfc6a3c5e5c067dca0d30697edd68d4f5188",
    "modules": [],
    "allocator": "tcmalloc",
    "environment": {
        "distmod": "windows",
        "distarch": "x86_64",
        "target_arch": "x86_64"
}

PS C:\Users\Raju Kumar> |
```

2. Create a directory/folder to store MongoDB datafiles



3. Set necessary path environment variable

Yes Set

4. Startup MongoDB database

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

Yes Connect

6. View list of available databases

```
test> show dbs
admin 40.00 KiB
cdac 72.00 KiB
config 96.00 KiB
local 72.00 KiB
test>
```

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

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

8. View list of available collections in CDAC database

```
cdac> show collections
library
cdac>
```

9. Create a new collection by the name of LIBRARY

```
cdac> db.createCollection("LIBARARY")
{ ok: 1 }
cdac> |
```

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

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

```
cdac> db.libarary.insert({title:'MongoDB Programming', author:'Sameer', likes:100})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
   acknowledged: true,
   insertedIds: { '0': ObjectId('66dc7f63497154b8c3c73bf8') }
}
cdac> |
```

11. View the recently inserted document and note the id field

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

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

```
cdac> db.libarary.insert({title:'MySQL Programming', authoers:['Jack', 'Jill'], likes:200})
{
   acknowledged: true,
   insertedIds: { '0': ObjectId('66dc8073497154b8c3c73bf9') }
}
cdac> |
```

13. View the inserted documents

14. View only the first inserted document

```
cdac> db.libarary.findOne()
{
    _id: ObjectId('66dc7f63497154b8c3c73bf8'),
    title: 'MongoDB Programming',
    author: 'Sameer',
    likes: 100
}
cdac>
```

15. View the documents using the pretty() method

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

```
cdac> db.libarary.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> |
```

17. Delete all documents that have 100 likes

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

18. Drop the LIBRARY collection

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

19. Drop the CDAC database

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

20. Exit from MongoDB shell

```
cdac> exit
PS C:\Users\Raju Kumar>
```

21. Stop MongoDB server

Yes Stop