

Step 1: Install MongoDB

If you haven't installed MongoDB yet, you can download it from the [MongoDB official website](#) and follow the installation instructions for your operating system.

Step 2: Start MongoDB

If you've installed MongoDB locally, start the MongoDB server by running:

This starts the MongoDB server on the default port (27017).

Step 3: Connect to MongoDB

Open a new terminal window and connect to your MongoDB server using:

```
bash
```

Copy code

```
mongo
```

This connects you to the MongoDB shell where you can execute commands.

Step 4: Create a Database

To create a new database, use the use command:

```
use myDatabase
```

Here, myDatabase is the name of the database you want to create. If the database does not already exist, MongoDB will create it when you first store data in it.

Step 5: Create a Collection

A collection is like a table in relational databases. Create a collection within your database:

```
db.createCollection("myCollection")
```

Here, myCollection is the name of the collection you want to create.

Step 6: Perform CRUD Operations

Create (Insert Data)

To insert a document (record) into your collection:

```
db.myCollection.insertOne({ name: "Alice", age: 25, city: "New York" })
```

To insert multiple documents:

```
db.myCollection.insertMany([
  { name: "Bob", age: 30, city: "San Francisco" },
  { name: "Charlie", age: 35, city: "Los Angeles" }
])
```

Read (Query Data)

To find a single document:

```
db.myCollection.findOne({ name: "Alice" })
```

To find all documents:

```
db.myCollection.find()
```

You can also use pretty formatting to make the output more readable:

```
db.myCollection.find().pretty()
```

Update (Modify Data)

To update a single document:

```
db.myCollection.updateOne(  
  { name: "Alice" },  
  { $set: { age: 26 } }  
)
```

To update multiple documents:

```
db.myCollection.updateMany(  
  { city: "New York" },  
  { $set: { city: "Boston" } }  
)
```

Delete (Remove Data)

To delete a single document:

```
db.myCollection.deleteOne({ name: "Alice" })
```

To delete multiple documents:

```
db.myCollection.deleteMany({ city: "Boston" })
```

Step 7: Drop a Collection or Database

To drop (delete) a collection:

```
db.myCollection.drop()
```

To drop (delete) a database:

```
javascript
```

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```
use myDatabase
```

```
db.dropDatabase()
```

Example Summary

Here's a quick summary of the commands:

1. Create Database:

```
use myDatabase
```

2. Create Collection:

```
db.createCollection("myCollection")
```

3. Insert Data:

```
db.myCollection.insertOne({ name: "Alice", age: 25, city: "New York" })
```

```
db.myCollection.insertMany([ { name: "Bob", age: 30, city: "San Francisco" }, { name: "Charlie", age: 35, city: "Los Angeles" } ])
```

4. Find Data:

```
db.myCollection.findOne({ name: "Alice" })
```

```
db.myCollection.find().pretty()
```

5. Update Data:

```
db.myCollection.updateOne({ name: "Alice" }, { $set: { age: 26 } })
```

```
db.myCollection.updateMany({ city: "New York" }, { $set: { city: "Boston" } })
```

6. Delete Data:

```
db.myCollection.deleteOne({ name: "Alice" })
```

```
db.myCollection.deleteMany({ city: "Boston" })
```

7. Drop Collection or Database:

```
db.myCollection.drop()
```

```
use myDatabase
```

```
db.dropDatabase()
```