

## 1. Start MongoDB Shell

### **mongosh**

Open the MongoDB shell (CLI) to interact with the database.

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## 2. Show All Databases

### **show dbs**

Lists all databases available in MongoDB.

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## 3. Create / Switch Database

### **use database\_name**

Creates a new database (if it doesn't exist) or switches to an existing one.

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## 4. Show Current Database

### **db**

Displays the currently selected database.

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## 5. Show All Collections in a Database

### **show collections**

Lists all collections (tables) inside the selected database.

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## 6. Create a Collection

### **db.createCollection("collection\_name")**

Creates a new collection inside the current database.

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## 7. Insert a Single Document

```
db.collection_name.insertOne({ name: "John", age: 25 })
```

Inserts a single document (record) into the collection.

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## 8. Insert Multiple Documents

```
db.collection_name.insertMany([
  { name: "Alice", age: 22 },
  { name: "Bob", age: 30 }
])
```

Inserts multiple documents into the collection.

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## 9. Show All Documents in a Collection

```
db.collection_name.find()
```

Displays all documents from the collection.

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## 10. Find One Document

```
db.collection_name.findOne()
```

Retrieves a single document from the collection.

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## 11. Count Documents in a Collection

```
db.collection_name.countDocuments()
```

Returns the number of documents in the collection.

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## 12. Update a Document

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

Updates a single document where `name` is "John."

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### 13. Update Multiple Documents

```
db.collection_name.updateMany(  
    { age: { $lt: 30 } },  
    { $set: { status: "young" } }  
)
```

Updates multiple documents where `age` is less than 30.

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### 14. Delete a Single Document

```
db.collection_name.deleteOne({ name: "John" })
```

Deletes a single document where `name` is "John."

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### 15. Delete Multiple Documents

```
db.collection_name.deleteMany({ age: { $gt: 30 } })
```

Deletes all documents where `age` is greater than 30.

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### 16. Drop a Collection (Delete Table)

```
db.collection_name.drop()
```

Deletes the entire collection from the database.

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### 17. Drop a Database

```
db.dropDatabase()
```

Deletes the currently selected database.

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### 18. Exit MongoDB Shell

```
exit
```

Closes the MongoDB shell.

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