

- 1) show dbs; -- It shows the already created all databases

```
C:\Users\suhel>mongosh
Current Mongosh Log ID: 6960b6b462dd3130241e2620
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSe
.5.10
Using MongoDB:      8.2.3
Using Mongosh:      2.5.10

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

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  The server generated these startup warnings when booting
  2026-01-09T10:51:02.689+05:30: Access control is not enabled for the database.
  Configuration is unrestricted
-----

test> show dbs;
admin    40.00 KiB
config   36.00 KiB
local    64.00 KiB
test> |
```

- 2) db; -- shows the current db

```
test> db;
test
```

- 3) Switch / Create database

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

- 4) db.dropDatabase(); -- Drop current database

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

- 5) show collections; -- show already created collections in DB

```
dbName> show collections;
users
```

- 6) db.createCollections("users"); -- to create a collection

```
dbName> db.createCollection("users");
{ ok: 1 }
```

- 7) db.users.drop(); -- to drop a collection

```
dbName> db.users.drop();
true
```

8) db.users.insertOne({ name: "Suhel", age: 25 }) – insert one record/doc in collection

```
dbName> db.users.insertOne({ name: "Suhel", age: 25 });
{
  acknowledged: true,
  insertedId: ObjectId('6960bac262dd3130241e2621')
}
```

9) db.users.insertMany([
 { name: "Ali", age: 22 },
 { name: "Khan", age: 28 }
]); -- insert many docs/records

```
dbName> db.users.insertMany([
...   { name: "Ali", age: 22 },
...   { name: "Khan", age: 28 }
... ])
... ;
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('6960bb0c62dd3130241e2622'),
    '1': ObjectId('6960bb0c62dd3130241e2623')
  }
}
```

10) db.users.find(); -- to fetch records/docs

```
dbName> db.users.find();
[
  { _id: ObjectId('6960bac262dd3130241e2621'), name: 'Suhel', age: 25 },
  { _id: ObjectId('6960bb0c62dd3130241e2622'), name: 'Ali', age: 22 },
  { _id: ObjectId('6960bb0c62dd3130241e2623'), name: 'Khan', age: 28 }
]
```

11) db.users.find().pretty(); -- formatted printing

```
dbName> db.users.find();
[
  { _id: ObjectId('6960bac262dd3130241e2621'), name: 'Suhel', age: 25 },
  { _id: ObjectId('6960bb0c62dd3130241e2622'), name: 'Ali', age: 22 },
  { _id: ObjectId('6960bb0c62dd3130241e2623'), name: 'Khan', age: 28 }
]
dbName> db.users.find().pretty();
[
  { _id: ObjectId('6960bac262dd3130241e2621'), name: 'Suhel', age: 25 },
  { _id: ObjectId('6960bb0c62dd3130241e2622'), name: 'Ali', age: 22 },
  { _id: ObjectId('6960bb0c62dd3130241e2623'), name: 'Khan', age: 28 }
]
```

12) db.users.find({ age: 25 }); -- find with condition

```
dbName> db.users.find({ age: 25 });
[
  { _id: ObjectId('6960bac262dd3130241e2621'), name: 'Suhel', age: 25 }
]
```

13) db.users.findOne({ name: "Suhel" }); -- find only one doc

```
dbName> db.users.findOne({ name: "Suhel" });
{ _id: ObjectId('6960bac262dd3130241e2621'), name: 'Suhel', age: 25 }
```

14) db.users.find({ age: 25 }, { name: 1, _id: 0 }); -- Find with projection

```
dbName> db.users.find({ age: 25 }, { name: 1, _id: 0 });
[ { name: 'Suhel' } ]
dbName> |
```

15) db.users.find().limit(2); -- Limit results

```
dbName> db.users.find().limit(2);
[
  { _id: ObjectId('6960bac262dd3130241e2621'), name: 'Suhel', age: 25 },
  { _id: ObjectId('6960bb0c62dd3130241e2622'), name: 'Ali', age: 22 }
]
```

16) db.users.find().sort({ age: 1 }) // 1 = asc, -1 = desc -- Sort the results

```
dbName> db.users.find().sort({ age: 1 }) // 1 = asc, -1 = desc
[
  { _id: ObjectId('6960bb0c62dd3130241e2622'), name: 'Ali', age: 22 },
  { _id: ObjectId('6960bac262dd3130241e2621'), name: 'Suhel', age: 25 },
  { _id: ObjectId('6960bb0c62dd3130241e2623'), name: 'Khan', age: 28 }
]
```

17) db.users.updateOne(

{ name: "Suhel" },

{ \$set: { age: 26 } }

); -- update one document

```
dbName> db.users.updateOne(
...   { name: "Suhel" },
...   { $set: { age: 26 } }
... )
... ;
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
18) db.users.updateMany(  
  { age: { $gt: 25 } },  
  { $set: { status: "senior" } }  
); -- update many docs/records
```

```
dbName> db.users.updateMany(  
...   { age: { $gt: 25 } },  
...   { $set: { status: "senior" } }  
... )  
... ;  
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 2,  
  modifiedCount: 2,  
  upsertedCount: 0  
}
```

```
19) db.users.replaceOne(  
  { name: "Ali" },  
  { name: "Ali", age: 23 }  
); -- Replace document
```

```
dbName> db.users.replaceOne(  
...   { name: "Ali" },  
...   { name: "Ali", age: 23 }  
... )  
... ;  
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 1,  
  modifiedCount: 1,  
  upsertedCount: 0  
}
```

```
20) db.users.deleteOne({ name: "Ali" }); // Delete one
```

```
dbName> db.users.deleteOne({ name: "Ali" });  
{ acknowledged: true, deletedCount: 1 }
```

```
21) db.users.deleteMany({ age: { $lt: 25 } }) // Delete Many
```

```
dbName> db.users.deleteMany({ age: { $lt: 25 } });  
{ acknowledged: true, deletedCount: 0 }
```

22) db.users.deleteMany({}); // Delete all

```
dbName> db.users.deleteMany({});  
{ acknowledged: true, deletedCount: 2 }
```