

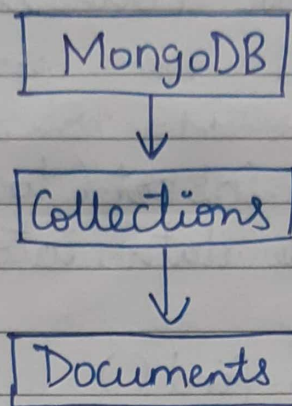
MONGODB

- MongoDB is a NoSQL database which stores the data in form of key-value pairs. It is an Open Source, Document Database which provides high performance and scalability along with data modelling and data management of ~~the~~ huge sets of data in enterprise application.
- It was developed by Eliot Horowitz and Dwight Merriman

* Key Features -

- 1> High performance.
- 2> Rich Query Language.
- 3> Supports all major CRUD operations.
- 4> Auto Replication.
- 5> High Availability.
- 6> Sharding.
- 7> Supports multiple Storage Engines.

→ Overview Structure -



→ COMMANDS -

1> Show dbs

To check the list of databases.

2> use DATABASE_NAME

To create database otherwise it will return the existing database.

3> db.dropDatabase()

To delete the selected database.

4> db.createCollection(name, options)

To create Collections

5> show collections

To check the list of collections.

6> `db.collection.drop()`

To drop a collection from the database.

7> `db.collection.insert(document)`

To insert data into the collection.

8> `db.collection.find()`

To display all the documents in an unstructured way.

9> `db.collection.find().pretty()`

To display all the documents in a structured way.

10> `db.collection.update(selection_criteria, updated_data)`

To update the values in the existing document.

11> `db.collection.save(selection_criteria, New_data)`

The save method replaces the existing document with the new document passed in the save() method.

12> db.collection.remove(deletion-criteria)

To remove a document from the collection.

It can contain two optional parameters

i> deletion-criteria-

ii> justOne - if set to true or 1, then remove only one document.

13> \$and, \$or, \$gt, \$lt, \$not, \$nor, \$regex, \$all, \$elementMatch, \$size

- Operators

14> db.collection.find().limit(Number)

To limit the records in the database.

15> db.collection.find().limit(Number).skip(Number)

To skip the number of documents.

16> db.collection.find().sort({KEY: 1})

To sort the documents in the database

To specify sorting order 1 and -1 are used for ascending order or descending order resp.

17> \$ where

To specify the required condition.

Eg: db.collection.find({ \$where: function() {
return (obj.english == obj.science) } }).pretty()