MANGO DB

MangoDB is a document database like SQL but in sql we store the data in the form of tables. In MangoDB store the data in the form of documents. In this document we are using JSON format like key and value. MangoDB is Robust and scalability. we can store the huge data. The number of documents is called Collection.

**History Of MangoDB:**

The mangoDB is developed in the year 2007. After they are announced it is an open-source tool in the year of 2009.

Data types of MangoDB :

In this we have different types of data types like

1.String

2.Boolean

3.Array

4.Integer

5.Double

6.Object

7.Date

8.Null

Advantages of MangoDB

MangoDB most useful in Big data, social media, …etc

Method of MangoDB:

In this we have different types of methods like

Database Methods:

1.db. createCollection (name, option)

2.db. getCollectionNames()

3.db. collection(name)

4.db. dropDataBase()

Collection Methods:

1.insertOne (document, option)

2.insertMany (documents, options)

3.deleteOne (filter, option)

4.deleteMany (filter, option)

5.updateOne (filter, update, option)

6.updataMany (filter, update, option)

7.find (quarry, projection)

8.findOne (quarry, projection)

9.countsDocuments (quarry, options)

10.createIndex (keys, option)

11.dropIndex (index name)

12.listIndexs ()

Why we use MangoDB instead of Sql:

MangoDB is flexible that means we deal with unstructured data and semi-structured data. MangoDB is also Horizontal scalability That means we can distribute the data different servers at a time. With help of mango db we can retrive the data faster because it is index based. Moreover, it is open-source tool.

Anthore one more is we can deal with unstructured data that means we can store the different types of data in single documents. Anthore in this Aggregation framework is there in mangoDb .

Note: whenever we are dealing with unstructured data, performance, scalability mangoDB is most useful.

Ex: Social media, big data, ..etc.

In sql whenever we want to create data it will take lot of time, and we want update something it is also complex, compare to mangoDB sql performance is low