1] Why we store data?

🡪Mongo DB is unstructured data base and we can make custom structure base.

🡪Mongo have data in collection , And run in key value pair like object.

🡪mongo is schema less data base.

***DataBase Introduction***

🡺Database : It is application level permanent storage capable to store data at application level

This storage will be accessible , manipulated as per requirement .

It is to deploye dynamicity at

Application level

🡪SQL based database

🡪NoSql based database

SQL : is stand for structure query language , it is set of command used to access & manipulate database related implementation .

Multiple database follows same approach for working mySql,

SqlLite3,…..

***Check mongo Command 🡺🡺 mongosh***

* Use dbname; 🡺create database
* Show dbs;🡺show database
* Db.createCollection(‘collection\_name’){this is string type parameterized method or function}🡺create collection
* Show dbs; 🡺show database
* Show collections;🡺show collection
* db.student.find(){with return without aurgument} 🡺show collection data
* db.student.find().pretty🡺show collection data in pretty way

***Insert data into 🡺***

1. Insert({obj…}) It used before version6.0 🡪🡪

db.employee.insert({id:101,name:"Sakshak",age:22,role:"employee",sal:12345}),

1. InsertOne(obj{…})🡪🡪

db.employee.insertOne({id:102,name:"Saksham",age:22,role:"stdent",fees:1234,phy:54,chem:78,math:88}),

1. InsertMany(array of object[{…},{…},{…}])🡪🡪

db.user.insertMany([{'id':101,name:'Saksham',age:22,role:'employee', sal:7000},

{'id':104,name:'Yogendra',age:23,role:'student',fees:5000,Phy:35,chem:59,math:60},{'id':105,name:'Bhanu',age:24,role:'student',fees:6000,Phy:45,chem:69,math:65}

,{'id':106,name:'Satyam',age:25,role:'employee', sal:8000},

{'id':107,name:'Atishay',age:25,role:'student',fees:8000,Phy:75,chem:49,math:75}]);

***Show data query🡺🡺***

db.users.find();

db.users.find({id:101});

db.users.find({},{role:1});

db.users.find({},{role:1,name:1,\_id:0});

db.users.find({role:'student'},{name:1,\_id:0});

***syntax🡪🡪***

db.users.find({where conditions claws},{\* field name you want to see or print})

***Create sub document🡪🡪***

db.user.insertMany([

{

id: 108,

name: 'Sarthak',

age: 22,

role: 'employee',

sal: 70000,

address: { street: 101, area: 'pardesipura', city: 'indore' }

},

{

id: 109,

name: 'Abhishek',

age: 21,

role: 'employee',

sal: 70700,

address: { street: 102, area: 'Kalani', city: 'indore' }

},

{

id: 109,

name: 'Mani',

age: 21,

role: 'employee',

sal: 72000,

address: { street: 103, area: 'Bypass', city: 'indore' }

},

{

id: 110,

name: 'Ram',

age: 20,

role: 'employee',

sal: 40000,

address: { street: 104, area: 'civil-lines', city: 'Bhopal' }

},

{

id: 111,

name: 'Lakhan',

age: 20,

role: 'employee',

sal: 60000,

address: { street: 105, area: 'mahakal-temple', city: 'ujjain' }

}

]);

***Query🡪***

db.users.find();

db.users.find({},{address:1});

db.users.find({},{address.city:1})

db.users.find({},{address.city:1,name:1})

db.users.find({address.city:’indore’},{name:1,address.city:1,\_id:0})

***Operator🡪🡪***

***Logical Operator🡪***

1.AND

2.OR

3.NOT