1)show dbs

shows the database

# 2) Create Database, Collections, and Documents in MongoDB

Open cmd

Write command “mongosh”

Create database

use ifsd3

create collection…to create collection you need atleast one document in the collection

db.ifsd3Collection.insertOne({name:”rashmi”,total:6000,active:true})

this will insert one document in the collection named ifsd3Collection

to see collections in the database: show collections

to see how many documents are present in a collection: db.ifsd3Collection.find()

to beautify the o/p: db.ifsd3Collection.find().pretty()

# MongoDB CRUD Operation 👉 Create or Insert Documents into Collections

Select database: use ifsd3

See how many collection: show collections

See how many documents inside the collection: db.ifsd3Collection.find()

Insert one document: db.ifsd3Collection.insertOne({name:”rashmi”,total:6000,active:true})

Insert many document: db.ifsd3Collection.insertMany([{name:”rashmi”,total:6000,active:true} , {name:”rashmi3”,total:7000,active:false},{name:”rashmi4”,total:9000,active:true}])

# MongoDB CRUD Operation 👉 Read or Queries the Documents into Collections

db.collection.find(query,projection)

find all the result(document) of the given collection: db.ifsd3Collections.find()

show result in pretty format: db.ifsd3Collections.find().pretty()

show document with name rashmi3: db.ifsd3Collection.find({name:”rashmi3”})

output is:

[

{

\_id: ObjectId("653aacf6861e4ee62ef711c2"),

name: 'rashmi3',

total: 7000,

active: false

}

]

If I only want name field in output: we will use projection :db.ifsd3Collection.find({name:”rashmi3”},{name:1})

[ { \_id: ObjectId("653aacf6861e4ee62ef711c2"), name: 'rashmi3' } ]

But we still get \_id with the name field if we only want name we will write: db.ifsd3Collection.find({name:”rashmi3”},{name:1,\_id:0})

We will get this output: [ { name: 'rashmi3' } ]

Set filter for all active:true: db.ifsd3Collection.find({active:true})

Will return all document with active true.

Set filter for first active:true: db.ifsd3Collection.find({active:true}).limit(1) or db.ifsd3Collection.findOne({active:true})

Shows first document with active:true

If we want to show second match and skip first: db.ifsd3Collection.find({active:true}).limit(1).skip(1)

# MongoDB CRUD Operation 👉 How to Update the Documents into Collections

UpdateOne() db.Collection\_name.updateOne(<filter>,<update>)

UpdateMany() db.Collection\_name.updateMany(<filter>,<update>)

Db.ifsd3Collection.updateOne({name:”rashmi4”},{$set:{active:false}})

# MongoDB CRUD 👉 Delete the Documents into Collections | DeleteMany vs Remove

deleteMany db.Collection\_name.deleteMany(deletion\_criteria)

db.ifsd3Collection.deleteMany({name:”rashmi4”})

to delete all db.ifsd3Collection.deleteMany({})