Fs -4

1.Create a new MongoDB database called myDatabase.

COMMAND:

use mydata

output:

switched to db mydata

2.Create a collection named "users" within the myDatabase database.

COMMAND:

db.createCollection('users')

output:

{ ok: 1 }

3.Insert at least three documents into the users collection, each representing a user with fields such as name, email, and age.

COMMAND:

db.users.insertMany([{'name':'manu','mail':'manognameda14@gmail.com','age':19},{'name':'chinnu','mail':'chinnu13@gmail.com','age':24},{'name':'chiru','mail':'chiranjeevi@gmail.com','age':30}])

output:

{

acknowledged: true,

insertedIds: {

'0': ObjectId('65fabd97c466740c6e378a0d'),

'1': ObjectId('65fabd97c466740c6e378a0e'),

'2': ObjectId('65fabd97c466740c6e378a0f')

}

}

4.All users from the users collection.

COMMAND:

db.users.find()

output:

{

\_id: ObjectId('65fabd97c466740c6e378a0d'),

name: 'manu',

mail: 'manognameda14@gmail.com',

age: 19

}

{

\_id: ObjectId('65fabd97c466740c6e378a0e'),

name: 'chinnu',

mail: 'chinnu13@gmail.com',

age: 24

}

{

\_id: ObjectId('65fabd97c466740c6e378a0f'),

name: 'chiru',

mail: 'chiranjeevi@gmail.com',

age: 30

}

5.Users with an age greater than or equal to 20.

db.users.find({'age':{$gte:24}})

output:

{

\_id: ObjectId('65fabd97c466740c6e378a0e'),

name: 'chinnu',

mail: 'chinnu13@gmail.com',

age: 24

}

{

\_id: ObjectId('65fabd97c466740c6e378a0f'),

name: 'chiru',

mail: 'chiranjeevi@gmail.com',

age: 30

}

6.Update the age of a user with a specific email address.

db.users.updateMany({'email':'manognameda14@gmail.com'},{$set:{age:20}})

output:

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

7.Delete a user document based on a specific email address.

db.users.deleteOne({'email':'manognameda14@gmail.com'})

output:

{

acknowledged: true,

deletedCount: 1

}

8.Create an index on the email field of the users collection.

db.users.createIndex({'email':1})

ouput:

email\_1