Open a Power Shell windows and start MongoDB Shell

PS C:\Users\dell> mongosh

Current Mongosh Log ID: 6404de8d434cded979a9a152

Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.8.0

Using MongoDB: 6.0.4

Using Mongosh: 1.8.0

(…….)

test>

Show all databases

test> show dbs :=>shows all database

admin 40.00 KiB

config 60.00 KiB

local 72.00 KiB

test> db

test

Create a database called "contact"

test> use contact

switched to db contact

Create a collection called "contactlist"

contact> db.createCollection("contactlist")

Insert documents in « contactlist »

contact> db.contactlist.insertOne({LastName: "Cherif", FirstName: "Sami", age:3})

{

acknowledged: true,

insertedId: ObjectId("6404e81fcff8c874e6968c88")

}

contact> db.contactlist.insertMany([{LastName: "Fatnassi", FirstName: "Sarra",Email:"sarra.f@gmail.com", age:40},{LastName: "Ben Lahmer", FirstName: "Fares", Email: "fares@gmail.com", age:26},{LastName: "Kefi", FirstName: "Saif", Email: "Kefi@gmail.com", age:15},{LastName: "Ben yahya", FirstName: "Rym", age:4}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId("6404ec07cff8c874e6968c89"),

'1': ObjectId("6404ec07cff8c874e6968c8a"),

'2': ObjectId("6404ec07cff8c874e6968c8b"),

'3': ObjectId("6404ec07cff8c874e6968c8c")

}

}

Display all the information about only one person using his ID.

contact> db.contactlist.find({\_id:ObjectId("6404ec07cff8c874e6968c89")})

[

{

\_id: ObjectId("6404ec07cff8c874e6968c89"),

LastName: 'Fatnassi',

FirstName: 'Sarra',

Email: 'sarra.f@gmail.com',

age: 40

}

]

Display all the information about only one person using his ID.

contact> db.contactlist.find({age:{$gt:18} })

[

{

\_id: ObjectId("6404ec07cff8c874e6968c89"),

LastName: 'Fatnassi',

FirstName: 'Sarra',

Email: 'sarra.f@gmail.com',

age: 40

},

{

\_id: ObjectId("6404ec07cff8c874e6968c8a"),

LastName: 'Ben Lahmer',

FirstName: 'Fares',

Email: 'fares@gmail.com',

age: 26

}

]

Display all the contacts with a name containing "ah".

contact> db.contactlist.find({LastName:{$regex:'ah'} })

[

{

\_id: ObjectId("6404ec07cff8c874e6968c8a"),

LastName: 'Ben Lahmer',

FirstName: 'Fares',

Email: 'fares@gmail.com',

age: 26

},

{

\_id: ObjectId("6404ec07cff8c874e6968c8c"),

LastName: 'Ben yahya',

FirstName: 'Rym',

age: 4

}

]

Display all the contacts with an age>18 and name containing "ah".

contact> db.contactlist.find({ $and: [{age:{$gt:18} },{LastName:{$regex:'ah'} }] })

[

{

\_id: ObjectId("6404ec07cff8c874e6968c8a"),

LastName: 'Ben Lahmer',

FirstName: 'Fares',

Email: 'fares@gmail.com',

age: 26

}

]

Change the contact's first name from"Kefi Seif" to "Kefi Anis".

contact> db.contactlist.updateOne({\_id:ObjectId("6404ec07cff8c874e6968c8b")},{ $set:{FirstName:"Anis"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

contact> db.contactlist.find({ \_id: ObjectId("6404ec07cff8c874e6968c8b")})

[

{

\_id: ObjectId("6404ec07cff8c874e6968c8b"),

LastName: 'Kefi',

FirstName: 'Anis',

Email: 'Kefi@gmail.com',

age: 15

}

]

Delete the contacts that are aged under <5.

contact> db.contactlist.deleteMany({age:{$lt:5} })



Display all of the contacts list.

contact> db.contactlist.find().pretty()

