Creating a database:

```
MongoDB server version: 4.4.4

The server generated these startup warnings when booting:

2021-03-22T15:34:47.273+01:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

Enable MongoDB's free cloud-based monitoring service, which will then receive and display metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you and anyone you share the URL with. MongoDB may use this information to make product improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.adisableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

Suse contact_database

switched to db contact_database
```

Creating a collection:

```
---

> use contact_database

switched to db contact_database

> db.createCollection("contactList')

{ "ok" : 1 }

>
```

Inserting documents in collection:

```
}
db.contactList.insertMany([{lastName: "Ben Lahmer", firstName: "Fares", email: "fares@gmail.com", age: 26), {lastName: "Kefi", firstName: "Seif", email: "kefi@gmail.com", age: 15), {lastName: "Fatnassi", firstName: "Sarra", email: "sarra.f@gmail.com", age: 40}, {lastName: "Ben Yahia", firstName: "Rym", age: 4), {lastName: "Cherif", firstName: "Sami", age: 3}]}

**acknowledged": true, "insertedIds": [

**ObjectId("6658d990b04c184d1969e926"), ObjectId("6658d990b04c184d1969e927"), ObjectId("6658d990b04c184d1969e928"), ObjectId("6658d990b04c184d1969e928"), ObjectId("6658d990b04c184d1969e922")

**Job ObjectId("6658d990b04c184d1969e922"), ObjectId("6658d990b04c184d1969e922")

**Job ObjectId("6658d990b04c184d1969e922")

**Job ObjectId("6658d990b04c184d1969e922")

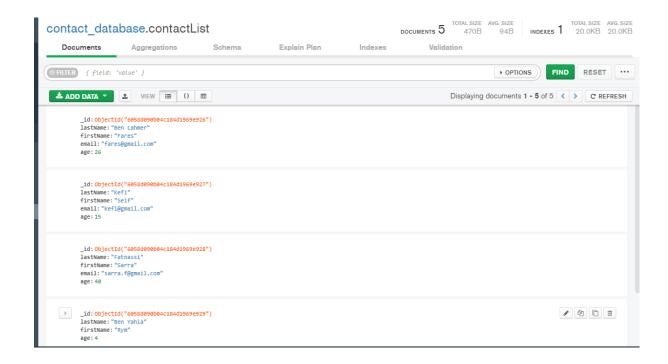
**Job ObjectId("6658d990b04c184d1969e922")

**Job ObjectId("6658d990b04c184d1969e922")
```

Displaying all the content in the terminal:

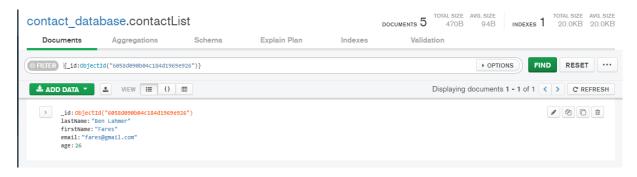
```
]
}
db.contactList.find()
{ ".id" : ObjectId("6058d090b04c184d1969e926"), "lastName" : "Ben Lahmer", "firstName" : "Fares", "email" : "fares@gmail.com", "age" : 26 }
{ ".id" : ObjectId("6058d090b04c184d1969e927"), "lastName" : "Kefi', "firstName" : "Seif', "email" : "kefi@gmail.com", "age" : 15 }
{ ".id" : ObjectId("6058d090b04c184d1969e928"), "lastName" : "Fatnassi', "firstName" : "Sarra", "email" : "sarra.f@gmail.com", "age" : 40 }
{ ".id" : ObjectId("6058d090b04c184d1969e927), "lastName" : "Ben Yahia", "firstName" : "Sam', "age" : 4 }
{ ".id" : ObjectId("6058d090b04c184d1969e927), "lastName" : "Ben Yahia", "firstName" : "Sam', "age" : 4 }
{ ".id" : ObjectId("6058d090b04c184d1969e927), "lastName" : "Cherif", "firstName" : "Sami", "age" : 3 }
```

Displaying all the content in the compass interface :



Displaying the information about only one person in the terminal using his ID:

In the compass interface:



Displaying all the contact list having age > 18:

Displaying all the contact list having age > 18 and name containing « ah »:

```
db.contactList.find({age:{$gt:18}, firstName: /.*ah*/}).pretty()

{
        "_id" : ObjectId("6058d090b04c184d1969e926"),
        "lastName" : "Gen Lahmen",
        "firstName" : "Fares",
        "enail" : "Fares@gmail.com",
        "age" : 26

}
{
        "_id" : ObjectId("6058d090b04c184d1969e928"),
        "lastName" : "Fatnass!",
        "firstName" : "Faress,",
        "enail" : "Sarra",
        "enail" : "Sarra.f@gmail.com",
        "age" : 40
}
```

Updating the information of one contact:

```
}
> db.contactList.updateOne({"_id" : ObjectId("6058d090b04c184d1969e927")},{$set:{firstName:"Anis"}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
>
```

Deleting the contacts with age < 5:

```
> db.contactList.remove({age:{$lt:5}})
WriteResult({ "nRemoved" : 2 })
> _
```

Dispalying the contact list in the terminal:

```
db.contactList.find().pretty()

{
    "id": ObjectId("6688d090b04c184d1969e926"),
    "lastName": "Ben Lahmer",
    "firstName": "Fares",
    "enail": "fares@gmail.com",
    "age": 26

}

{
    "_id": ObjectId("6058d090b04c184d1969e927"),
    "lastName": "kefi',
    "firstName": "kefi',
    "enail": "kefi@gmail.com",
    "age": 15
}

{
    "id": ObjectId("6058d090b04c184d1969e928"),
    "lastName": "Fatnassi",
    "firstName": "Fatnassi",
    "enail": "Sarra",
    "enail": "Sarra",
    "enail": "Sarra, f@gmail.com",
    "age": 48
}
```

In the compass interface:

