checkpoint3

1-Create a database called "contact"

use contact

2-Create a collection called "contactlist"

db.createCollection("contact")

3-Insert these documents   in "contactlist

-db.contact.insert({"Last name": "Ben Lahmer", "First name":"Fares", "Email": "fares@gmail.com", "age": 26})

-db.contact.insert({"Last name": "Kefi ", "First name":"Seif", "Email": "kefi@gmail.com", "age": 15})

-db.contact.insert({"Last name": "Fatnassi", "First name":"Sarra", "Email": "sarra.f@gmail.com", "age": 40})

-db.contact.insert({"Last name": "Ben Yahia", "First name":"Rym", "age": 4})

-db.contact.insert({"Last name": "Cherif", "First name":"Sami", "Email": "fares@gmail.com", "age": 3})

```
---
> use contact
switched to db contact
> db.createCollection("contact")
{ "ok" : 1 }
> db.contact.insert({"Last name": "Ben Lahmer", "First name":"Fares", "Email": "fares@gmail.com", "age": 26})
WriteResult({ "nInserted" : 1 })
> db.contact.insert({"Last name": "Kefi ", "First name":"Seif", "Email": "kefi@gmail.com", "age": 15})
WriteResult({ "nInserted" : 1 })
> db.contact.insert({"Last name": "Fatnassi", "First name":"Sarra", "Email": "sarra.f@gmail.com", "age": 40})
WriteResult({ "nInserted" : 1 })
> db.contact.insert({"Last name": "Ben Yahia", "First name":"Rym", "age": 4})
WriteResult({ "nInserted" : 1 })
> db.contact.insert({"Last name": "Cherif", "First name":"Sami", "Email": "fares@gmail.com", "age": 3})
WriteResult({ "nInserted" : 1 })
>
```

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

db.contact.find({"_id": ObjectId("634c497906c71234f42c50ff")})

```
> db.contact.find()
{ "_id" : ObjectId("634c496a06c71234f42c50fe"), "Last name" : "Ben Lahmer", "First name" : "Fares", "Email" : "fares@gmail.com", "age" : 26 }
{ "_id" : ObjectId("634c497906c71234f42c50ff"), "Last name" : "Kefi ", "First name" : "Seif", "Email" : "kefi@gmail.com", "age" : 15 }
{ "_id" : ObjectId("634c498406c71234f42c5100"), "Last name" : "Fatnassi", "First name" : "Sarra", "Email" : "sarra.f@gmail.com", "age" : 40 }
{ "_id" : ObjectId("634c498e06c71234f42c5101"), "Last name" : "Ben Yahia", "First name" : "Rym", "age" : 4 }
{ "_id" : ObjectId("634c499806c71234f42c5102"), "Last name" : "Cherif", "First name" : "Sami", "Email" : "fares@gmail.com", "age" : 3 }
> db.contact.find({"_id": ObjectId("634c496a06c71234f42c50fe")})
{ "_id" : ObjectId("634c496a06c71234f42c50fe"), "Last name" : "Ben Lahmer", "First name" : "Fares", "Email" : "fares@gmail.com", "age" : 26 }
>
```

2-Display all the contacts with an age >18.

db.contact.find({"age": {$gt: 18}},{"_id":0}).pretty()

```
> db.contact.find({"age": {$gt: 18}},{"_id":0}).pretty()
{
        "Last name" : "Ben Lahmer",
        "First name" : "Fares",
        "Email" : "fares@gmail.com",
        "age" : 26
}
{
        "Last name" : "Fatnassi",
        "First name" : "Sarra",
        "Email" : "sarra.f@gmail.com",
        "age" : 40
}
```

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

db.contact.find({"age": {$gt: 18},"First name":/ah/},{"_id":0}).pretty()

//no match

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

db.contact.updateOne({"Last name" : "Kefi "},{$set: {"First name" : "anis"}})

db.contact.find({"Last name": "Kefi "},{"_id":0}).pretty()

```
> db.contact.updateOne({"Last name" : "Kefi "},{$set: {"First name" : "anis"}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.contact.find({"Last name": "Kefi "},{"_id":0}).pretty()
{
        "Last name" : "Kefi ",
        "First name" : "anis",
        "Email" : "kefi@gmail.com",
        "age" : 15
}
>
```

5-Delete the contacts that are aged under <5.

db.contact.remove({"age": {$lt: 5}})

6-Display all of the contacts list.

db.contact.find().pretty()

```
> db.contact.remove({"age": {$lt: 5}})
WriteResult({ "nRemoved" : 2 })
> db.contact.find().pretty()
{
        "_id" : ObjectId("634c496a06c71234f42c50fe"),
        "Last name" : "Ben Lahmer",
        "First name" : "Fares",
        "Email" : "fares@gmail.com",
        "age" : 26
}
{
        "_id" : ObjectId("634c497906c71234f42c50ff"),
        "Last name" : "Kefi ",
        "First name" : "anis",
        "Email" : "kefi@gmail.com",
        "age" : 15
}
{
        "_id" : ObjectId("634c498406c71234f42c5100"),
        "Last name" : "Fatnassi",
        "First name" : "Sarra",
        "Email" : "sarra.f@gmail.com",
        "age" : 40
}
```