

Checkpoint mongoDB

Create a database called "contact"

```
> use contact
switched to db contact
```

Create a collection called "contactlist"

```
> db.createCollection("contactlist")
{ "ok" : 1 }
```

Insert these documents in "contactlist" :

```
> db.contactlist.insert(
...   [
...     {Last_name: "Ben Lahmer", First_name: "Fares", Email: "fares@gmail.com", age:26},
...     {Last_name: "Kefi", First_name: "Seif", Email: "kefi@gmail.com", age:15},
...     {Last_name: "Fatnassi", First_name: "Sarrah", Email: "sarrah.f@gmail.com", age:40},
...     {Last_name: "Ben Yahia", First_name: "Rym", age:4},
...     {Last_name: "Cherif", First_name: "Sami", age:3}
...   ]
... )
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

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

```
> db.contactlist.find() { "_id" : ObjectId("60a633772fed919b5c82dd06") }
2021-05-20T11:05:02.515+0100 E QUERY [thread1] SyntaxError: missing ; before statement @(shell):1:22
```

Display all the contacts with an age >18

```
> db.contactlist.find({"age": {$gt: 18}})
{ "_id" : ObjectId("60a633772fed919b5c82dd05"), "Last_name" : "Ben Lahmer", "First_name" : "Fares", "Email" : "fares@gmail.com", "age" : 26 }
{ "_id" : ObjectId("60a633772fed919b5c82dd07"), "Last_name" : "Fatnassi", "First_name" : "Sarrah", "Email" : "sarrah.f@gmail.com", "age" : 40 }
```

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

```
> db.contactlist.find({'$and': [{'age': {'$gt': 18}}, {'Last_name': {'$regex': '.*ah.*'}}]})
{ "_id" : ObjectId("60a633772fed919b5c82dd05"), "Last_name" : "Ben Lahmer", "First_name" : "Fares", "Email" : "fares@gmail.com", "age" : 26 }
```

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

```
> db.contactlist.update({$and:[{"Last_name":"'Kefi'"}, {"First_name":"'Seif'"}]}, {$set: {"First_name": "Anis"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

Delete the contacts that are aged under <5.

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

Display all of the contacts list.

```
> db.contactlist.find().pretty()
{
  "_id" : ObjectId("60a633772fed919b5c82dd05"),
  "Last_name" : "Ben Lahmer",
  "First_name" : "Fares",
  "Email" : "fares@gmail.com",
  "age" : 26
}
{
  "_id" : ObjectId("60a633772fed919b5c82dd06"),
  "Last_name" : "Kefi",
  "First_name" : "Anis",
  "Email" : "kefi@gmail.com",
  "age" : 15
}
{
  "_id" : ObjectId("60a633772fed919b5c82dd07"),
  "Last_name" : "Fatnassi",
  "First_name" : "Sarrah",
  "Email" : "sarrah.f@gmail.com",
  "age" : 40
}
```