

Checkpoint_MongoDB

❖ Create a database called 'contact'

Use contact

```
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
> use Contact_db
switched to db Contact_db
```

❖ Create a collection called 'list_contact'

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

❖ Insert these document in "listcontact"

```
> db.list_contact.insertMany([{"Last_name": "ben Lahmar", "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}])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("61221f2d8f606a3b7eb1e306"),
    ObjectId("61221f2d8f606a3b7eb1e307"),
    ObjectId("61221f2d8f606a3b7eb1e308"),
    ObjectId("61221f2d8f606a3b7eb1e309"),
    ObjectId("61221f2d8f606a3b7eb1e30a")
  ]
}
```

❖ Display all the information about only one person using his id

```
> db.list_contact.find({"_id": ObjectId("61240a0694475111b88e5e20")})
{ "_id" : ObjectId("61240a0694475111b88e5e20"), "Last_name" : "Ben Lahmar", "First_name" : "Fares", "Email" : "fares@gmail.com", "age" : 26 }
>
```

- ❖ Display all the contact list having age>18

```
> db.list_contact.find({"age":{"$gt:18}}).pretty()
{
  "_id" : ObjectId("61221f2d8f606a3b7eb1e306"),
  "last_name" : "ben Lahmar",
  "First_name" : "Fares",
  "Email" : "fares@gmail.com",
  "age" : 26
}
{
  "_id" : ObjectId("61221f2d8f606a3b7eb1e308"),
  "last_name" : "Fatnassi",
  "First_name" : "Sarrah",
  "Email" : "sarrah.f@gmail.com",
  "age" : 40
}
>
```

- ❖ Display all the contact list having age>18 and name containing "ah"

```
> db.list_contact.find({"age":{"$gt:18"} , $or:[{"Last_name":"/ah/},{ "First_name":"/ah/}]}).pretty()
{
  "_id" : ObjectId("61221f2d8f606a3b7eb1e306"),
  "last_name" : "ben Lahmar",
  "First_name" : "Fares",
  "Email" : "fares@gmail.com",
  "age" : 26
}
>
```

- ❖ Change the contact first name of "kefi Seif" by "Kefi Anis"

```
> db.list_contact.updateOne({"First_name":"Seif"},{$set:{"First_name":"Anis"}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
```

```
{
  "_id" : ObjectId("61240a0694475111b88e5e21"),
  "Last_name" : "Kefi",
  "First_name" : "Anis",
  "Email" : "kefi@gmail.com",
  "age" : 15
}
```

- ❖ Delete the the contact list having age < 5

- ❖ Display all the contact list

```
> db.list_contact.deleteMany({"age":{$lt:5}})
{ "acknowledged" : true, "deletedCount" : 2 }
> db.list_contact.find().pretty()
{
  "_id" : ObjectId("61240a0694475111b88e5e20"),
  "Last_name" : "Ben Lahmar",
  "First_name" : "Fares",
  "Email" : "fares@gmail.com",
  "age" : 26
}
{
  "_id" : ObjectId("61240a0694475111b88e5e21"),
  "Last_name" : "Kefi",
  "First_name" : "Anis",
  "Email" : "kefi@gmail.com",
  "age" : 15
}
{
  "_id" : ObjectId("61240a0694475111b88e5e22"),
  "Last_name" : "Fatnassi",
  "First_name" : "Sarrah",
  "Email" : "sarrah.f@gmail.com",
  "age" : 40
}
>
```