

Checkpoint MongoDB

1. Create a database called "contact"

```
C:\> Invite de commandes - mongo
> use contact
switched to db contact
>
```

2. Create a collection called "contactlist"

```
C:\> Invite de commandes - mongo
> db.createCollection('contactlist')
{ "ok" : 1 }
```

3. Insert these documents in "contactlist"

```
Sélection Invite de commandes - mongo
> 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:"Sarraf",Email:"sarraf@gmail.com",age:40},
... {Lastname:"Ben Yahia",Firstname:"Rym",age:4},
... {Lastname:"Cherif",Firstname:"Sami",age:3}
... ]);
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("6287764cf59716bd45fa46eb"),
    ObjectId("6287764cf59716bd45fa46ec"),
    ObjectId("6287764cf59716bd45fa46ed"),
    ObjectId("6287764cf59716bd45fa46ee"),
    ObjectId("6287764cf59716bd45fa46ef")
  ]
}
```

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

```
Invite de commandes - mongo
> db.contactlist.find({"_id" : ObjectId("6287764cf59716bd45fa46eb")}).pretty()
{
  "_id" : ObjectId("6287764cf59716bd45fa46eb"),
  "Lastname" : "Ben Lahmer",
  "Firstname" : "Fares",
  "Email" : "fares@gmail.com",
  "age" : 26
}
```

5. Display all the contacts with an age >18

```
cs Invite de commandes - mongo
> db.contactlist.find({ age: { $gt: 18 } }).pretty();
{
  "_id" : ObjectId("6287764cf59716bd45fa46eb"),
  "Lastname" : "Ben Lahmer",
  "Firstname" : "Fares",
  "Email" : "fares@gmail.com",
  "age" : 26
}
{
  "_id" : ObjectId("6287764cf59716bd45fa46ed"),
  "Lastname" : "Fatnassi",
  "Firstname" : "Sarrah",
  "Email" : "sarrah.f@gmail.com",
  "age" : 40
}
```

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

```
cs Invite de commandes - mongo
> db.contactlist.find( { $and: [ { Lastname: { $regex:"ah" } }, { age: { $gt: 18 } } ] }).pretty();
{
  "_id" : ObjectId("6287764cf59716bd45fa46eb"),
  "Lastname" : "Ben Lahmer",
  "Firstname" : "Fares",
  "Email" : "fares@gmail.com",
  "age" : 26
}
```

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

```
cs Invite de commandes - mongo
> db.contactlist.update({ Lastname: 'Kefi' }, { $set: { Firstname: 'Anis' } })
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 0 })
>
```

8. Delete the contacts that are aged under <5

```
cs Invite de commandes - mongo
> db.contactlist.remove({ age: { $lt: 5 } })
WriteResult({ "nRemoved" : 2 })
>
```

9. Display all of the contacts list

```
cal Invite de commandes - mongo
> db.contactlist.find().pretty();
{
  "_id" : ObjectId("6287764cf59716bd45fa46eb"),
  "Lastname" : "Ben Lahmer",
  "Firstname" : "Fares",
  "Email" : "fares@gmail.com",
  "age" : 26
}
{
  "_id" : ObjectId("6287764cf59716bd45fa46ec"),
  "Lastname" : "Kefi",
  "Firstname" : "Anis",
  "Email" : "kefi@gmail.com",
  "age" : 15
}
{
  "_id" : ObjectId("6287764cf59716bd45fa46ed"),
  "Lastname" : "Fatnassi",
  "Firstname" : "Sarra",
  "Email" : "sarra.f@gmail.com",
  "age" : 40
}
>
```