

# MongoDB

Créez une base de données appelée "contact"

Invite de commandes - mongo

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

Créez une collection appelée "contactlist"

Invite de commandes - mongo

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

Insérez ces documents dans la "contactlist"

Invite de commandes - mongo

```
> db.createCollection('contactlist')
{ "ok" : 1 }
> db.contactlist.insertOne({last_name:'Ben Lahmer',first_name:'Fares',email:'fares@gmail.com',age:'26'})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("5fdf9eaeadded7526068ad5")
}
> db.contactlist.insertOne({last_name:'Kefi',first_name:'Seif',email:'kefi@gmail.com',age:'15'})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("5fdf9f38fedded7526068ad6")
}
> db.contactlist.insertOne({last_name:'Fatnassi',first_name:'Sarrah',email:'Sarrah@gmail.com',age:'40'})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("5fdf9f8ffedded7526068ad7")
}
> db.contactlist.insertOne({last_name:'Ben Yahya',first_name:'Rym',age:'4'})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("5fdf9ff2fedded7526068ad8")
}
> db.contactlist.insertOne({last_name:'Cherif',first_name:'Sami',age:'3'})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("5fdfa012fedded7526068ad9")
}
>
```

CA Invite de commandes - mongo

```
{
  "_id" : ObjectId("5fdf9eaefedded7526068ad5"),
  "last_name" : "Ben Lahmer",
  "first_name" : "Fares",
  "email" : "fares@gmail.com",
  "age" : "26"
}
{
  "_id" : ObjectId("5fdf9f38fedded7526068ad6"),
  "last_name" : "Kefi",
  "first_name" : "Seif",
  "email" : "kefi@gmail.com",
  "age" : "15"
}
{
  "_id" : ObjectId("5fdf9f8ffedded7526068ad7"),
  "last_name" : "Fatnassi",
  "first_name" : "Sarrah",
  "email" : "Sarrah@gmail.com",
  "age" : "40"
}
{
  "_id" : ObjectId("5fdf9ff2fedded7526068ad8"),
  "last_name" : "Ben Yahya",
  "first_name" : "Rym",
  "age" : "4"
}
{
  "_id" : ObjectId("5fdfa012fedded7526068ad9"),
  "last_name" : "Cherif",
  "first_name" : "Sami",
  "age" : "3"
}
```

**Afficher toutes les informations sur une seule personne utilisant son identifiant**

```
use contactlist;
> db.contactlist.find({"_id":ObjectId("5fdfa012fedded7526068ad9")})
{ "_id" : ObjectId("5fdfa012fedded7526068ad9"), "last_name" : "Cherif", "first_name" : "Sami", "age" : "3" }
> db.contactlist.find({"_id":ObjectId("5fdfa012fedded7526068ad9")}).pretty()
{
  "_id" : ObjectId("5fdfa012fedded7526068ad9"),
  "last_name" : "Cherif",
  "first_name" : "Sami",
  "age" : "3"
}
```

Afficher toute la liste de contacts ayant > 18 ans

```
> db.contactlist.find({age:{$gt:18}}).pretty()
{
  "_id" : ObjectId("5fdfab9dfedded7526068ae0"),
  "last_name" : "Fatnassi",
  "first_name" : "Sarrah",
  "email" : "Sarrah@gmail.com",
  "age" : 40
}
{
  "_id" : ObjectId("5fdfab9dfedded7526068ae1"),
  "last_name" : "Ben Lahmer",
  "first_name" : "Fares",
  "email" : "fares@gmail.com",
  "age" : 26
}
>
```

Afficher toute la liste de contacts ayant > 18 ans et le nom contenant "ah"

```
> db.contactlist.find({$and:[{age:{$gt:18}},{last_name:{$regex:"ah"}}]}).pretty()
{
  "_id" : ObjectId("5fdfab9dfedded7526068ae1"),
  "last_name" : "Ben Lahmer",
  "first_name" : "Fares",
  "email" : "fares@gmail.com",
  "age" : 26
}
>
```

Changer le prénom du contact "kefi Seif" par "Kefi Anis"

```
> db.contactlist.update({first_name:'Seif'},{$set:{first_name:'Anis'}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.contactlist.find().pretty()
{
  "_id" : ObjectId("5fdfab6afedded7526068adf"),
  "last_name" : "Kefi",
  "first_name" : "Anis",
  "email" : "kefi@gmail.com",
  "age" : 15
}
```

Supprimer la liste de contacts ayant <5 ans

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

Afficher toute la liste de contacts

```
> db.contactlist.find().pretty()
{
  "_id" : ObjectId("5fdfab6afedded7526068adf"),
  "last_name" : "Kefi",
  "first_name" : "Anis",
  "email" : "kefi@gmail.com",
  "age" : 15
}
{
  "_id" : ObjectId("5fdfab9dfedded7526068ae0"),
  "last_name" : "Fatnassi",
  "first_name" : "Sarrah",
  "email" : "Sarrah@gmail.com",
  "age" : 40
}
{
  "_id" : ObjectId("5fdfab95fedded7526068ae1"),
  "last_name" : "Ben Lahmer",
  "first_name" : "Fares",
  "email" : "fares@gmail.com",
  "age" : 26
}
>
```

