

## Checkpoint MongoDB :

### 1- Create a database »contact »

```
MongoRuntimeError: Unable to parse <hostname> with URL
C:\Users\ijlel> mongosh "mongodb://user:pwd@<hostname>/?ssl=true&replicaSet=atlas-82xnhc-shard-0&authSource=admin&retryWrites=true&w=majority&appName=Cluster0"
Current Mongosh Log ID: 66ad004c6b4f2182b9d86205
Connecting to:      mongodb://<credentials>@<hostname>/?ssl=true&replicaSet=atlas-82xnhc-shard-0&authSource=admin&retryWrites=true&w=majority&appName=Cluster0
MongoRuntimeError: Unable to parse <hostname> with URL
C:\Users\ijlel> connect "mongodb+srv://user:pwd@cluster0.z73tyel.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0"
'connect' n'est pas reconnu en tant que commande interne
ou externe, un programme exécutable ou un fichier de commandes.
C:\Users\ijlel> mongosh "mongodb+srv://user:pwd@cluster0.z73tyel.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0"
Current Mongosh Log ID: 66ad0156e821cb7f36e5bace
Connecting to:      mongodb+srv://<credentials>@cluster0.z73tyel.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0
Using MongoDB:      7.0.12
Using Mongosh:      2.0.0
mongosh 2.2.12 is available for download: https://www.mongodb.com/try/download/shell
For mongosh info see: https://docs.mongodb.com/mongodb-shell/
Atlas atlas-82xnhc-shard-0 [primary] test> show dbs
sample_mflix 111.47 MiB
Atlas atlas-82xnhc-shard-0 [primary] test> use contact
switched to db contact
Atlas atlas-82xnhc-shard-0 [primary] contact> |
```

### 2\* create a collection called « contactlist »:

The screenshot shows the MongoDB Atlas interface. The 'Collections' tab is selected. On the left, a sidebar shows the database 'contact' and the collection 'contactlist'. The main panel displays details for the 'contactlist' collection: STORAGE SIZE: 4KB, LOGICAL DATA SIZE: 0B, TOTAL DOCUMENTS: 0, INDEXES TOTAL SIZE: 4KB. Below this, there are tabs for 'Find', 'Indexes', 'Schema Anti-Patterns', 'Aggregation', and 'Search Indexes'. The 'Find' tab is active, showing a search bar with the placeholder 'Type a query: { field: 'value' }' and buttons for 'Filter', 'Reset', and 'Apply'. A 'Generate queries from natural language in Compass' link is also present. At the bottom, it says 'QUERY RESULTS: 0'.

### 3-display all the contactlist:

```
{
  "_id": ObjectId("66ad0463e821cb7f36e5bad1")
}
Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.find()
[
  {
    "_id": ObjectId("66ad0463e821cb7f36e5bad1"),
    "lastName": "Ben",
    "firstName": "Moris",
    "email": "ben@gmail.com",
    "age": 26
  },
  {
    "_id": ObjectId("66ad0463e821cb7f36e5bace"),
    "lastName": "Kefi",
    "firstName": "Seif",
    "email": "kefi@gmail.com",
    "age": 15
  },
  {
    "_id": ObjectId("66ad0463e821cb7f36e5bacf"),
    "lastName": "Emillie",
    "firstName": "Brouge",
    "email": "emillie.b@gmail.com",
    "age": 40
  },
  {
    "_id": ObjectId("66ad0463e821cb7f36e5bad0"),
    "lastName": "Alex",
    "firstName": "Brown",
    "age": 4
  },
  {
    "_id": ObjectId("66ad0463e821cb7f36e5bad1"),
    "lastName": "Denzel",
    "firstName": "Washington",
    "age": 3
  }
]
```

4- display all information about one person using his id:

```
Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.find( {_id: ObjectId("66ad0463e821cb7f36e5bad1")})
[
  {
    _id: ObjectId("66ad0463e821cb7f36e5bad1"),
    lastName: 'Denzel',
    firstName: 'Washington',
    age: 3
  }
]
Atlas atlas-82xnhc-shard-0 [primary] contact> |
```

5 – Display all the contacts with an age>18

```
Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.find({age:{$gt:18}})
[
  {
    _id: ObjectId("66ad0463e821cb7f36e5bacd"),
    lastName: 'Ben',
    firstName: 'Moris',
    email: 'ben@gmail.com',
    age: 26
  },
  {
    _id: ObjectId("66ad0463e821cb7f36e5bacf"),
    lastName: 'Emillie',
    firstName: 'Brouge',
    email: 'emillie.b@gmail.com',
    age: 40
  }
]
Atlas atlas-82xnhc-shard-0 [primary] contact> |
```

6- <18 and name containing “br”

```
Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.find({age:{$gt:18},firstName: {$regex:"Br"}})
[
  {
    _id: ObjectId("66ad0463e821cb7f36e5bacf"),
    lastName: 'Emillie',
    firstName: 'Brouge',
    email: 'emillie.b@gmail.com',
    age: 40
  }
]
Atlas atlas-82xnhc-shard-0 [primary] contact> |
```

7 change the contact’s first name from “Kefi Seif” to “Kefi Anis”:

```
Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.updateOne({lastName: 'Kefi', firstName: 'Seif'},{$set: {firstName:'Anis'}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.find({lastName: 'Kefi', firstName: 'Anis'})
[
  {
    _id: ObjectId("66ad0463e821cb7f36e5bace"),
    lastName: 'Kefi',
    firstName: 'Anis',
    email: 'kefi@gmail.com',
    age: 15
  }
]
Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.find({lastName: 'Kefi', firstName: 'Seif'})
Atlas atlas-82xnhc-shard-0 [primary] contact> |
```

8 Delete the contacts that are aged under <5

```

Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.deleteMany({age: {$lt:5}})
{ acknowledged: true, deletedCount: 2 }
Atlas atlas-82xnhc-shard-0 [primary] contact> db.contactlist.find()
[
  {
    _id: ObjectId("66ad0463e821cb7f36e5bacd"),
    lastName: 'Ben',
    firstName: 'Moris',
    email: 'ben@gmail.com',
    age: 26
  },
  {
    _id: ObjectId("66ad0463e821cb7f36e5bace"),
    lastName: 'Kefi',
    firstName: 'Anis',
    email: 'kefi@gmail.com',
    age: 15
  },
  {
    _id: ObjectId("66ad0463e821cb7f36e5bacf"),
    lastName: 'Emillie',
    firstName: 'Brouge',
    email: 'emillie.b@gmail.com',
    age: 40
  }
]
Atlas atlas-82xnhc-shard-0 [primary] contact> |

```