

- Create a database called "contact"

```

Microsoft Windows [Version 10.0.19042.1466]
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C:\Users\pc>mongosh
Current Mongosh Log ID: 61f96da8b507962045698605
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.1.9
Using MongoDB:      5.0.6
Using Mongosh:       1.1.9

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

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  The server generated these startup warnings when booting:
  2022-02-01T18:22:56.771+01:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
  -----

test> show db
MongoshInvalidInputError: [COMMON-10001] 'db' is not a valid argument for "show".
test> show dbs
admin      41 kB
config    12.3 kB
local     41 kB
test> use appdb
switched to db appdb
appdb> db
appdb
appdb> show collections
[]

appdb> use contact
switched to db contact
contact> db
contact

```

- Create a collection called "contactlist"

```

switched to db contact
contact> db
contact
contact> db.createCollection('contactlist')
{ ok: 1 }

```

Insert these documents in "contactlist" :

- 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: Sarra, Email: sarra.f@gmail.com, age:40
- Last name: Ben Yahia, First name: Rym, age:4
- Last name: Cherif, First name: Sami, age:3

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
2 |
contact> db.contactlist.insertMany([
  {
    acknowledged: true,
    insertedIds: {
      '0': ObjectId("61f97b3afe4f7391ca175a13"),
      '1': ObjectId("61f97b3afe4f7391ca175a14"),
      '2': ObjectId("61f97b3afe4f7391ca175a15"),
      '3': ObjectId("61f97b3afe4f7391ca175a16"),
      '4': ObjectId("61f97b3afe4f7391ca175a17")
    }
  }
])
```

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

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
contact> db.contactlist.find({_id:ObjectId("61f97b3afe4f7391ca175a13")}).pretty()
[
  {
    _id: ObjectId("61f97b3afe4f7391ca175a13"),
    LastName: 'Ben Lahmar',
    FirstName: 'Fares',
    Email: 'fares@gmail.com',
    age: 26
  }
]
contact>
```

- Display all the contacts with an age >18.

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
contact> db.contactlist.find( { age: { $gt: 18 } } )
[
  {
    _id: ObjectId("61f97b3afe4f7391ca175a13"),
    LastName: 'Ben Lahmar',
    FirstName: 'Fares',
    Email: 'fares@gmail.com',
    age: 26
  },
  {
    _id: ObjectId("61f99600fe4f7391ca175a18"),
    LastName: 'Fatnassi',
    FirstName: 'Sarrah',
    age: 26
  }
]
contact>
```

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

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
3 |
contact> db.contactlist.find( { LastName: { $regex: /ah/ }, age:{ $gt:18}})
[
  {
    _id: ObjectId("61f97b3afe4f7391ca175a13"),
    LastName: 'Ben Lahmar',
    FirstName: 'Fares',
    Email: 'fares@gmail.com',
    age: 26
  },
]
```

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

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
}
]
contact> db.contactlist.updateOne( { FirstName: 'Seif' }, { $set: {FirstName: 'Anis' } } )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

- Delete the contacts that are aged under <5.

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
```

```
}  
}  
contact> db.contactlist.deleteMany({age:{$lt:5}})  
{ acknowledged: true, deletedCount: 2 }  
contact> _
```

- Display all of the contacts list.

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
```

```
}  
contact> db.contactlist.find()  
[  
  {  
    _id: ObjectId("61f97b3afe4f7391ca175a13"),  
    LastName: 'Ben Lahmar',  
    FirstName: 'Fares',  
    Email: 'fares@gmail.com',  
    age: 26  
  },  
  {  
    _id: ObjectId("61f97b3afe4f7391ca175a14"),  
    LastName: 'kefi',  
    FirstName: 'Anis',  
    Email: 'kefi@gmail.com',  
    age: 15  
  },  
  {  
    _id: ObjectId("61f99600fe4f7391ca175a18"),  
    LastName: 'Fatnassi',  
    FirstName: 'Sarrah',  
    age: 26  
  }  
]
```