- **Create a database called "contact"**

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

- **Create a collection called "contactlist" and Insert these documents in "contactlist" :**

```
> db.contactlist.insertMany([{"Last name":"Ben",
"First name": "Moris",
"Email": "ben@gmail.com",
"age":26},{"Last name": "Kefi",
"First name": "Seif",
"Email": "kefi@gmail.com",
"age":15},{"Last name":"Emilie",
"First name": "brouge",
 "Email": "emilie.b@gmail.com",
 "age":40},{"Last name": "Alex",
"First name": "brown",
"age": 4},{ "Last name": "Denzel",
 "First name": "Washington",
 "age":3}])
< {
   acknowledged: true,
   insertedIds: {
     '0': ObjectId('66a14b9bc0b9dfafb425a9b4'),
     '1': ObjectId('66a14b9bc0b9dfafb425a9b5'),
     '2': ObjectId('66a14b9bc0b9dfafb425a9b6'),
     '3': ObjectId('66a14b9bc0b9dfafb425a9b7'),
     '4': ObjectId('66a14b9bc0b9dfafb425a9b8')
   }
 }
```

- **Display all of the contacts list.**

```
> db.contactlist.find()
< {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b4'),
    'Last name': 'Ben',
    'First name': 'Moris',
    Email: 'ben@gmail.com',
    age: 26
  }
  {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b5'),
    'Last name': 'Kefi',
    'First name': 'Seif',
    Email: 'kefi@gmail.com',
    age: 15
  }
  {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b6'),
    'Last name': 'Emilie',
    'First name': 'brouge',
    Email: 'emilie.b@gmail.com',
    age: 40
  }
  {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b7'),
    'Last name': 'Alex',
    'First name': 'brown',
    age: 4
  }
  {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b8'),
    'Last name': 'Denzel',
    'First name': 'Washington',
    age: 3
  }
```

- ○ **Display all the information about only one person using his ID and Display all the contacts with an age >18.**

```
> db.contactlist.findOne({_id: ObjectId('66a14b9bc0b9dfafb425a9b8')})
< {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b8'),
    'Last name': 'Denzel',
    'First name': 'Washington',
    age: 3
  }
> db.contactlist.findOne({"age": { "$gt": 18 }})
< {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b4'),
    'Last name': 'Ben',
    'First name': 'Moris',
    Email: 'ben@gmail.com',
    age: 26
  }
```

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

```
> db.contactlist.findOne({
    "age": { "$gt": 18 },
    "$or": [
      { "First name": { "$regex": "ah", "$options": "i" } },
      { "Last name": { "$regex": "ah", "$options": "i" } }
    ]
  }
  )
< null
```

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

```
> db.contactlist.updateOne({"First name": "Seif"}, {$set: {"First name": "Anis"}});
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
```

- Delete the contacts that are aged under <5.

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

- ○ **Display all of the contacts list.**

```
> db.contactlist.find()
< {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b4'),
    'Last name': 'Ben',
    'First name': 'Moris',
    Email: 'ben@gmail.com',
    age: 26
  }
  {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b5'),
    'Last name': 'Kefi',
    'First name': 'Anis',
    Email: 'kefi@gmail.com',
    age: 15
  }
  {
    _id: ObjectId('66a14b9bc0b9dfafb425a9b6'),
    'Last name': 'Emilie',
    'First name': 'brouge',
    Email: 'emilie.b@gmail.com',
    age: 40
  }
```