



Rapport TP8

09 Nov 2025

Présenté par:
Oumaima Maticha

Encadrée par:
HAFSA MHADIOUAMMI

PARIE I:



```
> use ecommerceDB
< switched to db ecommerceDB
> db.createCollection("Produits")
< { ok: 1 }
> db.createCollection("Clients")
< { ok: 1 }
> db.createCollection("Commandes")
< { ok: 1 }
> db.Produits.insertMany([
  {Nom : "Smartphone XYZ", Catégorie : "Électronique", Prix : 799},
  {Nom : "Chaussures de sport", Catégorie : "Mode", Prix : 79},
  {Nom : "Laptop ABC", Catégorie : "Électronique", Prix : 899},
  {Nom : "Livre de recettes", Catégorie : "Livres", Prix : 20},
  {Nom : "Casque audio", Catégorie : "Électronique", Prix : 100}
])
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('690f652a5e192b2a7c807b0c'),
    '1': ObjectId('690f652a5e192b2a7c807b0d'),
    '2': ObjectId('690f652a5e192b2a7c807b0e'),
    '3': ObjectId('690f652a5e192b2a7c807b0f'),
    '4': ObjectId('690f652a5e192b2a7c807b10')
  }
}
```

```
> db.Clients.insertMany([ {Nom : " Ahmed Ben Saïd", Email : " ahmed.ben.said@mail.com",
    {Nom : " Fatima El Khalil", Email : "fatima.el.khalil@mail.com",
    {Nom : " Noura Bakkar", Email : " noura.bakkar@mail.com",
    {Nom : " Aisha Darwish", Email : " aisha.darwish@mail.com",
    {Nom : " Hassan AL-Haddad", Email : "hassan.haddad@mail.com"}
},
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('690f66f85e192b2a7c807b11'),
    '1': ObjectId('690f66f85e192b2a7c807b12'),
    '2': ObjectId('690f66f85e192b2a7c807b13'),
    '3': ObjectId('690f66f85e192b2a7c807b14'),
    '4': ObjectId('690f66f85e192b2a7c807b15')
  }
}
] )
> db.Commandes.insertMany([ {Client : "Fatima El Khalil" , Produits : "1x Smartphone",
{Client : "Hassan AL-Haddad", Produits : "1x Laptop ABC, 1x Casque audio", Date_coi
[SyntaxError: Unexpected token, expected "," (1:195)]

[{"_id":"690f66f85e192b2a7c807b11","nom":"Ahmed Ben Saïd","email":"ahmed.ben.said@mail.com"},
{"_id":"690f66f85e192b2a7c807b12","nom":"Fatima El Khalil","email":"fatima.el.khalil@mail.com"},
{"_id":"690f66f85e192b2a7c807b13","nom":"Noura Bakkar","email":"noura.bakkar@mail.com"},
{"_id":"690f66f85e192b2a7c807b14","nom":"Aisha Darwish","email":"aisha.darwish@mail.com"},
{"_id":"690f66f85e192b2a7c807b15","nom":"Hassan AL-Haddad","email":"hassan.haddad@mail.com"}],
{"acknowledged":true,"insertedIds":{"0":"690f66f85e192b2a7c807b11","1":"690f66f85e192b2a7c807b12","2":"690f66f85e192b2a7c807b13","3":"690f66f85e192b2a7c807b14","4":"690f66f85e192b2a7c807b15"}}])
> db.Commandes.insertMany([ {Client : "Fatima El Khalil" , Produits : ["1x Smartphone",
{Client : "Hassan AL-Haddad", Produits : ["1x Laptop ABC, 1x Casque audio"], Date_coi
[SyntaxError: Unexpected token, expected "," (1:203)]
```

PARIE I:



مكتب التكوين المهني
وإنعاش الشغل
الطريق الأمثل للمستقبل

>_MONGOSH

```
> db.Commandes.insertMany([{"Client": "Fatima El Khalil", "Produits": "1x Smartphone XYZ",
```

```
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('690f6dae5e192b2a7c807b16'),
    '1': ObjectId('690f6dae5e192b2a7c807b17')
  }
}
```

```
> db.Commandes.deleteMany()
```

```
❌ ▶ MongoshInvalidInputError: [COMMON-10001] Missing required argument at position 0
```

```
> db.Commandes.deleteMany({})
```

```
< {
  acknowledged: true,
  deletedCount: 2
}
```

```
> db.Commandes.insertMany([{"Client": "Fatima El Khalil", "Produits": ["1x Smartphone XYZ"
```

```
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('690f6f8e5e192b2a7c807b18'),
    '1': ObjectId('690f6f8e5e192b2a7c807b19')
  }
}
```

```
> db.Produits.find({stock:{$gt:0}})
```

```
<
>
> db.products.find({ Stock: { $gt: 0 } })
```

```
> db.Produits.find({ Stock: { $gt: 0 } })
```

```
< {
  _id: ObjectId('690f652a5e192b2a7c807b0c'),
  Nom: 'Smartphone XYZ',
  'Catégorie': 'Électronique',
  Prix: 599.99,
  Stock: 10
}
{
  _id: ObjectId('690f652a5e192b2a7c807b0d'),
  Nom: 'Chaussures de sport',
  'Catégorie': 'Mode',
  Prix: 75,
  Stock: 30
}
{
  _id: ObjectId('690f652a5e192b2a7c807b0e'),
  Nom: 'Laptop ABC',
  'Catégorie': 'Électronique',
  Prix: 899.99,
  Stock: 5
}
{
  _id: ObjectId('690f652a5e192b2a7c807b0f'),
  Nom: 'Livre de recettes',
  'Catégorie': 'Livres',
  Prix: 20,
  Stock: 50
}
```

```
> db.Clients.find({Adresse:"Paris"})
<
> db.Clients.find({Adresse:"Maroc"})
<
> db.Clients.find({Adresse:/Maroc/})
< {
  _id: ObjectId('690f66f85e192b2a7c807b11'),
  Nom: ' Ahmed Ben Saïd',
  Email: ' ahmed.ben.saïd@mail.com',
  Adresse: ' 10 Rue Al Madina, Casablanca, Maroc ',
  'Téléphone': '+212600123456'
}
{
  _id: ObjectId('690f66f85e192b2a7c807b12'),
  Nom: ' Fatima El Khalil',
  Email: 'fatima.el.khalil@mail.com',
  Adresse: ' 25 Avenue des Palmiers Rabat Maroc',
  'Téléphone': '+ 212600987654'
}
```

```
> db.Clients.find({Adresse:/Paris/})
<
> db.Commandes.find({Client:"Hassan Al-Haddad"})
< {
  _id: ObjectId('690f6f8e5e192b2a7c807b19'),
  Client: 'Hassan Al-Haddad',
  Produits: [
    '1x Laptop ABC',
    '1x Casque audio'
```

```
    Date_commande: 'Sat Nov 08 2025 17:27:58 GMT+0100 (UTC+01:00)',
    Statut: 'en cours',
    Montant_total: 949.98
```

```
  ]
}
> db.Commandes.find({statut:"livrée"})
<
```

```
> db.Commandes.find({Statut:"livrée"})
< {
```

```
  _id: ObjectId('690f6f8e5e192b2a7c807b18'),
  Client: 'Fatima El Khalil',
  Produits: [
    '1x Smartphone XYZ',
    '2x Livre de recettes'
  ],
  Date_commande: 'Sat Nov 08 2025 17:27:58 GMT+0100 (UTC+01:00)',
  Statut: 'livrée',
  Montant_total: 639.99
```

```
  }
> db.Produits.updateOne({Nom:"Smartphone XYZ"},{$inc:{Stock:10}})
< {
```

```
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
```

```
  }
> db.Commandes.updateOne({Client:"Hassan Al-Haddad"},{$set:{Statut:"expédiée"}})
< {
```

PARIE I:



```
> db.Commandes.updateOne({Client:"Hassan Al-Haddad"},{$set:{Statut:"expédiée"}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.Produits.deleteMany({Stock:0})
< {
  acknowledged: true,
  deletedCount: 0
}
> db.Commandes.deleteMany({ Statut: "annulée" })
< {
  acknowledged: true,
  deletedCount: 0
}
> db.Produits.find({Catégorie : "Électronique",Prix:{$lt:100}})
< {
  _id: ObjectId('690f652a5e192b2a7c807b10'),
  Nom: 'Casque audio',
  'Catégorie': 'Électronique',
  Prix: 49.99,
  Stock: 25
}
> db.Commandes.aggregate({$group:Client},{ $sum:1})
```

```
> db.Commandes.aggregate({$group:Client},{ $sum:1})
✖ ReferenceError: Client is not defined
> db.Commandes.aggregate({$group:{_id:"$Client",totalCommandes:{ $sum:1}}})
< {
  _id: 'Hassan Al-Haddad',
  totalCommandes: 1
}
{
  _id: 'Fatima El Khalil',
  totalCommandes: 1
}
> db.Produits.aggregate([
  { $sort: { Prix: -1 } },
  { $limit: 5 }])
< {
  _id: ObjectId('690f652a5e192b2a7c807b0e'),
  Nom: 'Laptop ABC',
  'Catégorie': 'Électronique',
  Prix: 899.99,
  Stock: 5
}
{
  _id: ObjectId('690f652a5e192b2a7c807b0c'),
  Nom: 'Smartphone XYZ',
  'Catégorie': 'Électronique',
  Prix: 599.99,
  Stock: 20
}
```

PARIE III :



```
> use admin
< switched to db admin
> db.createUser({
  user: "oumaima",
  pwd: "123",
  roles: [ { role: "dbAdmin", db: "ecommerceDB" } ]})
❗ ▶ MongoServerError[Location51003]: User "oumaima@admin" already exists
> db.createUser({
  user: "ahmed",
  pwd: "123",
  roles: [ { role: "dbAdmin", db: "ecommerceDB" } ]})
< { ok: 1 }
> db.createUser({
  user: "amin",
  pwd: "1234",
  roles: [ { role: "userAdmin", db: "ecommerceDB" } ]
})
< { ok: 1 }
> db.createUser({
  user: "salma",
  pwd: "12345",
  roles: [ { role: "read", db: "ecommerceDB" } ]
})
< { ok: 1 }
```

```
C:\Users\Admin>mongosh -u salma -p 12345 --authenticationDatabase admin
Current Mongosh Log ID: 698feb612b94d67c2ecebea3
Connecting to:      mongodb://<credentials>@127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&autoSource=admin&appName=mongosh+2.5.8
Using MongoDB:      8.2.1
Using Mongosh:       2.5.8
mongosh 2.5.9 is available for download: https://www.mongodb.com/try/download/shell
For mongosh info see: https://www.mongodb.com/docs/mongosh-shell/
-----
```

```
> db.dropUser("amin")
< { ok: 1 }
> db.dropUser("ahmed")
< { ok: 1 }
> db.dropUser("salma")
< { ok: 1 }
```