

TP 1 : Installation et Manipulation de la BD NoSQL « MongoDB »

Binôme : Imane TOUIBA
Zahra KASMOUTI

1) Installation et configuration de MongoDB

installation et configuration :

Étape 1 - Configuration du « apt Repository » :

```
zahra@zahra:~$ wget -qO - https://www.mongodb.org/static/pgp/server-5.0.asc |  
sudo apt-key add -  
[sudo] password for zahra:  
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (s  
ee apt-key(8)).  
OK  
zahra@zahra:~$
```

```
zahra@zahra:~$ echo "deb [ arch=amd64,arm64 ]  
https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0  
multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-5.0.list  
deb [ arch=amd64,arm64 ]  
https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0  
multiverse
```

Étape 2 - Installation de mongoDB :

On a bien installé mongoDB v5.0.30

```
zahra@zahra:~$ mongod -version
db version v5.0.30
Build Info: {
  "version": "5.0.30",
  "gitVersion": "966efda23d779a86c76c34e1b13e561d68f2bb37",
  "opensslVersion": "OpenSSL 1.1.1f 31 Mar 2020",
  "modules": [],
  "allocator": "tcmalloc",
  "environment": {
    "distmod": "ubuntu2004",
    "distarch": "x86_64",
    "target_arch": "x86_64"
  }
}
```

Gestion des services mongoDB :

Activation et démarrage du service MongoDB :

```
zahra@zahra:~$ sudo systemctl enable mongod
Created symlink '/etc/systemd/system/multi-user.target.wants/mongod.service' → '/usr/lib/systemd/system/mongod.service'.
zahra@zahra:~$ sudo systemctl start mongod
zahra@zahra:~$ sudo systemctl status mongod
● mongod.service - MongoDB Database Server
   Loaded: loaded (/usr/lib/systemd/system/mongod.service; enabled; preset: e>
   Active: active (running) since Fri 2024-12-06 10:07:37 UTC; 15s ago
 Invocation: fbaf8b4ba3344b8c9264f75731f379d2
    Docs: https://docs.mongodb.org/manual
   Main PID: 6578 (mongod)
  Memory: 66.7M (peak: 66.9M)
     CPU: 212ms
    CGroup: /system.slice/mongod.service
            └─6578 /usr/bin/mongod --config /etc/mongod.conf
```

Le statut de MongoDB est bien active

Teste de la configuration :

```
> use mydb
switched to db mydb
> db.test.save( { kasmoutiTouiba: 100 } )
WriteResult({ "nInserted" : 1 })
> db.test.find()
{ "_id" : ObjectId("6752cef41e8f53b14f62c051"), "kasmoutiTouiba" : 100 }
>
```

2) Examen des requêtes MongoDB :

Restauration d'un fichier .bson :

```
zahra@zahra:~/Downloads$ mongorestore -d cinema -c films movieDetails.bson
2024-12-06T10:22:27.144+0000 checking for collection data in movieDetails.bson
n
2024-12-06T10:22:27.156+0000 restoring cinema.films from movieDetails.bson
2024-12-06T10:22:27.199+0000 finished restoring cinema.films (2295 documents,
0 failures)
2024-12-06T10:22:27.199+0000 2295 document(s) restored successfully. 0 docume
nt(s) failed to restore.
zahra@zahra:~/Downloads$
```

Quelques testes sur la base de donnée crée

```
> db.films.findOne();
{
  "_id" : ObjectId("569190ca24de1e0ce2dfcd4f"),
  "title" : "Once Upon a Time in the West",
  "year" : 1968,
  "rated" : "PG-13",
  "released" : ISODate("1968-12-21T05:00:00Z"),
  "runtime" : 175,
  "countries" : [
    "Italy",
    "USA",
    "Spain"
  ],
  "genres" : [
    "Western"
  ],
  "director" : "Sergio Leone",
  "writers" : [
    "Sergio Donati",
    "Sergio Leone",
    "Dario Argento",
    "Bernardo Bertolucci",
```

Gestion des indexes :

1- Affichage des indexes :

```
> db.films.getIndexes()
[ { "v" : 2, "key" : { "_id" : 1 }, "name" : "_id_" } ]
>
```

2- Création d'indexes :

```
> db.films.createIndex({"genre": 1}, {"sparse": true})
{
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "createdCollectionAutomatically" : false,
  "ok" : 1
}
>
```

3- Suppression des indexes :

```
> db.films.dropIndex("genre_1");
{ "nIndexesWas" : 2, "ok" : 1 }
>
```

lorsqu'on recherche un document donné, il est possible de connaître la stratégie effective permettant à MongoDB de le retrouver grâce à la commande **explain()**.

```
> db.films.find({"actors": "Bruce Willis"}).explain()
{
  "explainVersion" : "1",
  "queryPlanner" : {
    "namespace" : "cinema.films",
    "indexFilterSet" : false,
    "parsedQuery" : {
      "actors" : {
        "$eq" : "Bruce Willis"
      }
    },
    "queryHash" : "592671A4",
    "planCacheKey" : "70938073",
    "maxIndexedOrSolutionsReached" : false,
    "maxIndexedAndSolutionsReached" : false,
    "maxScansToExplodeReached" : false,
    "winningPlan" : {
      "stage" : "COLLSCAN",
      "filter" : {
        "actors" : {
          "$eq" : "Bruce Willis"
        }
      }
    }
  }
}
```

Recherche de documents :

Utilisation d'un filtre simple

```
> db.films.find({"year":2012});
{ "_id" : ObjectId("569190cc24de1e0ce2dfcd58"), "title" : "West of Memphis", "year" : 2012, "rated" : "R", "released" : ISODate("2012-11-22T05:00:00Z"), "runtime" : 147, "countries" : [ "New Zealand", "USA" ], "genres" : [ "Documentary" ], "director" : "Amy Berg", "writers" : [ "Amy Berg", "Billy McMillin" ], "actors" : [ "Michael Baden", "Jason Baldwin", "Holly Ballard", "Jamie Clark Ballard" ], "plot" : "An examination of a failure of justice in the case against the West Memphis Three.", "poster" : "http://ia.media-imdb.com/images/M/MV5BMjIzNDM3NjkzOV5BML5BanBnXkFtZTcwNjI5Nzg0OA@@._V1_SX300.jpg", "imdb" : { "id" : "tt2130321", "rating" : 7.9, "votes" : 6627 }, "tomato" : { "meter" : 95, "image" : "certified", "rating" : 7.9, "reviews" : 111, "fresh" : 106, "consensus" : "Both a sobering look at a true crime story and a scathing indictment of the American justice system, West of Memphis is a real-life horror story told with fury and compassion." }, "userMeter" : 87, "userRating" : 4.1, "userReviews" : 8482 }, "metacritic" : 80, "awards" : { "wins" : 0, "nominations" : 9, "text" : "Nominated for 1 BAFTA Film Award. Another 9 nominations." }, "type" : "movie" }
{ "_id" : ObjectId("5692a13e24de1e0ce2dfcec7"), "title" : "HOUBA! On the Trail o
```

Pour améliorer l'affichage, on peut utiliser la commande pretty.

```
> db.films.find({"year":2012}).pretty()
{
  "_id" : ObjectId("569190cc24de1e0ce2dfcd58"),
  "title" : "West of Memphis",
  "year" : 2012,
  "rated" : "R",
  "released" : ISODate("2012-11-22T05:00:00Z"),
  "runtime" : 147,
  "countries" : [
    "New Zealand",
    "USA"
  ],
  "genres" : [
    "Documentary"
  ],
  "director" : "Amy Berg",
  "writers" : [
    "Amy Berg",
```

Projections :

```
> db.films.find({"year":2012},{"title":1,"year":1,"actors":1}).pretty()
{
  "_id" : ObjectId("569190cc24de1e0ce2dfcd58"),
  "title" : "West of Memphis",
  "year" : 2012,
  "actors" : [
    "Michael Baden",
    "Jason Baldwin",
    "Holly Ballard",
    "Jamie Clark Ballard"
  ]
}
{
  "_id" : ObjectId("5692a13e24de1e0ce2dfcec7"),
  "title" : "HOUBA! On the Trail of the Marsupilami",
  "year" : 2012,
  "actors" : [
    "Jamel Debbouze",
    "Alain Chabat",
    "Fred Testot",
    "Lambert Wilson"
  ]
}
{
  "_id" : ObjectId("5692a13e24de1e0ce2dfcec8"),
  "title" : "HUBA! On the Trail of the Marsupilami",
  "year" : 2012,
  "actors" : [
    "Jamel Debbouze",
    "Alain Chabat",
    "Fred Testot",
    "Lambert Wilson"
  ]
}
```

```
> db.films.find({"year":2012},{"title":1,"year":1,"actors":1, _id:0}).pretty()
{
  "title" : "West of Memphis",
  "year" : 2012,
  "actors" : [
    "Michael Baden",
    "Jason Baldwin",
    "Holly Ballard",
    "Jamie Clark Ballard"
  ]
}
{
  "title" : "HOUBA! On the Trail of the Marsupilami",
  "year" : 2012,
  "actors" : [
    "Jamel Debbouze",
    "Alain Chabat",
    "Fred Testot",
    "Lambert Wilson"
  ]
}
```

Recherche dans un tableau :

```
> db.films.find({"actors":"Leonardo DiCaprio"},{"title":1,"year":1,"actors":1, _id:0}).pretty()
{
  "title" : "Shutter Island",
  "year" : 2010,
  "actors" : [
    "Leonardo DiCaprio",
    "Mark Ruffalo",
    "Ben Kingsley",
    "Max von Sydow"
  ]
}
{
  "title" : "Catch Me If You Can",
  "year" : 2002,
  "actors" : [
    "Leonardo DiCaprio",
    "Tom Hanks",
    "Christopher Walken",
    "Martin Sheen"
  ]
}
```

```
> db.films.find({"actors":"Leonardo DiCaprio", "year":2002},
... {"title":1,"year":1,"actors":1, _id:0}).pretty()
{
  "title" : "Catch Me If You Can",
  "year" : 2002,
  "actors" : [
    "Leonardo DiCaprio",
    "Tom Hanks",
    "Christopher Walken",
    "Martin Sheen"
  ]
}
```

```
> db.films.find({"actors":{"$in":["Leonardo DiCaprio", "Tom Hanks"]}},{"title":1,"
year":1,"actors":1, _id:0}).pretty()
{
  "title" : "Shutter Island",
  "year" : 2010,
  "actors" : [
    "Leonardo DiCaprio",
    "Mark Ruffalo",
    "Ben Kingsley",
    "Max von Sydow"
  ]
}
{
  "title" : "Big",
  "year" : 1988,
  "actors" : [
    "Tom Hanks",
    "Elizabeth Perkins",
    "Robert Loggia",
    "John Heard"
  ]
}
{
  "title" : "Toy Story",
```

```
> db.films.find({"actors":{"$all":["Leonardo DiCaprio", "Tom Hanks"]}},{"title":1,
"year":1,"actors":1, _id:0}).pretty()
{
  "title" : "Catch Me If You Can",
  "year" : 2002,
  "actors" : [
    "Leonardo DiCaprio",
    "Tom Hanks",
    "Christopher Walken",
    "Martin Sheen"
  ]
}
```

Recherche avancée :

```
> db.films.findOne({}, {title:1,year:1,awards:1,_id:0})
{
  "title" : "Once Upon a Time in the West",
  "year" : 1968,
  "awards" : {
    "wins" : 4,
    "nominations" : 5,
    "text" : "4 wins & 5 nominations."
  }
}
```



```
> db.films.find({"awards.wins":7},
... {title:1,year:1,awards:1,_id:0}).pretty()
{
  "title" : "How the West Was Won",
  "year" : 1962,
  "awards" : {
    "wins" : 7,
    "nominations" : 5,
    "text" : "Won 3 Oscars. Another 7 wins & 5 nominations."
  }
}
{
  "title" : "Brazilian Western",
  "year" : 2013,
  "awards" : {
    "wins" : 7,
    "nominations" : 6,
    "text" : "7 wins & 6 nominations."
  }
}
```

```
> db.films.find({"awards.wins":{$ne:0}},
... {title:1,year:1,awards:1,_id:0}).pretty()
{
  "title" : "Once Upon a Time in the West",
  "year" : 1968,
  "awards" : {
    "wins" : 4,
    "nominations" : 5,
    "text" : "4 wins & 5 nominations."
  }
}
{
  "title" : "Wild Wild West",
  "year" : 1999,
  "awards" : {
    "wins" : 10,
    "nominations" : 11,
    "text" : "10 wins & 11 nominations."
  }
}
```

```
> db.films.find({"awards.wins":{"$gte:80}},
... {title:1,year:1,awards:1,_id:0}).pretty()
{
  "title" : "Beasts of the Southern Wild",
  "year" : 2012,
  "awards" : {
    "wins" : 91,
    "nominations" : 119,
    "text" : "Nominated for 4 Oscars. Another 91 wins & 119 nominati
ons."
  }
}
{
  "title" : "Lost in Translation",
  "year" : 2003,
  "awards" : {
    "wins" : 90,
    "nominations" : 100,
    "text" : "Won 1 Oscar. Another 90 wins & 100 nominations."
  }
}
{
  "title" : "The Tree of Life"
```

Trier les résultats :

```
> db.films.find({"awards.wins":{"$gte:80}},
... {title:1,year:1,awards:1,_id:0}).sort({"awards.wins":-
... 1}).pretty()
{
  "title" : "No Country for Old Men",
  "year" : 2007,
  "awards" : {
    "wins" : 148,
    "nominations" : 122,
    "text" : "Won 4 Oscars. Another 148 wins & 122 nominations."
  }
}
{
  "title" : "There Will Be Blood",
  "year" : 2007,
  "awards" : {
    "wins" : 103,
    "nominations" : 123,
    "text" : "Won 2 Oscars. Another 103 wins & 123 nominations."
  }
}
```

Insertion des documents dans mongoDB :

```
> use test
switched to db test
> db.test.insertOne({"name":"zahra"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("67533cc6fc53fc9410ab9c58")
}
> 
```

```
> db.test.find()
{ "_id" : ObjectId("67533cc6fc53fc9410ab9c58"), "name" : "zahra" }
> 
```

```
> db.test.insertOne({"name":"zahra"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("67533dbdfc53fc9410ab9c59")
}
> db.test.find()
{ "_id" : ObjectId("67533cc6fc53fc9410ab9c58"), "name" : "zahra" }
{ "_id" : ObjectId("67533dbdfc53fc9410ab9c59"), "name" : "zahra" }
> 
```

```
> db.test.insertOne({_id:0,"name":"zahira"})
{ "acknowledged" : true, "insertedId" : 0 }
> 
```

```

> db.test.insertOne({_id:0,"name":"imane"})
WriteError({
  "index" : 0,
  "code" : 11000,
  "errmsg" : "E11000 duplicate key error collection: test.test index: _id_
dup key: { _id: 0.0 }",
  "op" : {
    "_id" : 0,
    "name" : "imane"
  }
}) :
WriteError({
  "index" : 0,
  "code" : 11000,
  "errmsg" : "E11000 duplicate key error collection: test.test index: _id_
dup key: { _id: 0.0 }",
  "op" : {
    "_id" : 0,
    "name" : "imane"
  }
})
WriteError@src/mongo/shell/bulk_api.js:465:48

```

```

> db.test.insertOne({"name":"toto","age":35})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("67533ed3fc53fc9410ab9c5a")
}
> db.test.find()
{ "_id" : ObjectId("67533cc6fc53fc9410ab9c58"), "name" : "zahra" }
{ "_id" : ObjectId("67533dbdfc53fc9410ab9c59"), "name" : "zahra" }
{ "_id" : 0, "name" : "zahira" }
{ "_id" : ObjectId("67533ed3fc53fc9410ab9c5a"), "name" : "toto", "age" : 35 }
>

```

```

> db.test.insert([{"name":"mohamed"}, {"name": "othman", "ville": ["casablanca", "
rabat"]}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 2,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})

```

Suppression des documents dans mongoDB :

```
> db.test.drop()
true
> db.test.find()
> 
```

```
> db.test.insertOne({"name":"zahra"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6753413efc53fc9410ab9c5f")
}
> db.test.insertOne({"name":"zahra"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("67534140fc53fc9410ab9c60")
}
> 
```

```
> db.test.find({"_id":ObjectId("67534140fc53fc9410ab9c60")})
{ "_id" : ObjectId("67534140fc53fc9410ab9c60"), "name" : "zahra" }
> db.test.deleteOne({"_id":ObjectId("67534140fc53fc9410ab9c60")})
uncaught exception: TypeError: db.test.deleteOne is not a function :
@(shell):1:1
> db.test.deleteOne({"_id":ObjectId("67534140fc53fc9410ab9c60")})
{ "acknowledged" : true, "deletedCount" : 1 }
> 
```

MAJ des documents dans mongoDB :

1- Ajouter ou remplacer un champ existant avec \$set

```
> db.test.update({name:"zahra"},{$set:{ville:"rabat"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.test.find()
{ "_id" : ObjectId("6753413efc53fc9410ab9c5f"), "name" : "zahra", "ville" : "rabat" }
> 
```

```
> db.test.find()
{ "_id" : ObjectId("6753413efc53fc9410ab9c5f"), "name" : "zahra", "ville" : "casablanca" }
{ "_id" : ObjectId("675343fafc53fc9410ab9c61"), "name" : "mohamed", "age" : 40 }
{ "_id" : ObjectId("6753441afc53fc9410ab9c62"), "name" : "zaidouni", "ville" : "casablanca" }
{ "_id" : ObjectId("675344a7fc53fc9410ab9c63"), "name" : "zahra" }
> 
```

```

> db.test.update({name:"zahra"},{$set:{ville:"casablanca"}}, {multi:true})
WriteResult({ "nMatched" : 2, "nUpserted" : 0, "nModified" : 1 })
> db.test.find()
{ "_id" : ObjectId("6753413efc53fc9410ab9c5f"), "name" : "zahra", "ville" : "casablanca" }
{ "_id" : ObjectId("675343fafc53fc9410ab9c61"), "name" : "mohamed", "age" : 40 }
{ "_id" : ObjectId("6753441afc53fc9410ab9c62"), "name" : "zaidouni", "ville" : "casablanca" }
{ "_id" : ObjectId("675344a7fc53fc9410ab9c63"), "name" : "zahra", "ville" : "casablanca" }
>

```

2- Incrémenter un champ numérique existant avec \$inc

```

> db.test.update({name:"mohamed"},{$inc:{age:1} })
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.test.find()
{ "_id" : ObjectId("6753413efc53fc9410ab9c5f"), "name" : "zahra", "ville" : "casablanca" }
{ "_id" : ObjectId("675343fafc53fc9410ab9c61"), "name" : "mohamed", "age" : 41 }
{ "_id" : ObjectId("6753441afc53fc9410ab9c62"), "name" : "zaidouni", "ville" : "casablanca" }
{ "_id" : ObjectId("675344a7fc53fc9410ab9c63"), "name" : "zahra", "ville" : "casablanca" }
>

```

3 - MAJ du tableau avec \$push ou pull

```

> db.test.insert({"name": "othman", "ville":
... ["casablanca","rabat"]})
WriteResult({ "nInserted" : 1 })
> db.test.update({"name": "othman"}, {$push:{ville:"tanger"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.test.find()
{ "_id" : ObjectId("6753413efc53fc9410ab9c5f"), "name" : "zahra", "ville" : "casablanca" }
{ "_id" : ObjectId("675343fafc53fc9410ab9c61"), "name" : "mohamed", "age" : 44 }
{ "_id" : ObjectId("6753441afc53fc9410ab9c62"), "name" : "zaidouni", "ville" : "casablanca" }
{ "_id" : ObjectId("675344a7fc53fc9410ab9c63"), "name" : "zahra", "ville" : "casablanca" }
{ "_id" : ObjectId("6753471bfc53fc9410ab9c64"), "name" : "othman", "ville" : [ "casablanca", "rabat", "tanger" ] }
>

```

```
> db.test.update({"name": "othman"}, {$pull:{ville:"rabat"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.test.find()
{ "_id" : ObjectId("6753413efc53fc9410ab9c5f"), "name" : "zahra", "ville" : "casablanca" }
{ "_id" : ObjectId("675343fafc53fc9410ab9c61"), "name" : "mohamed", "age" : 44 }
{ "_id" : ObjectId("6753441afc53fc9410ab9c62"), "name" : "zaidouni", "ville" : "casablanca" }
{ "_id" : ObjectId("675344a7fc53fc9410ab9c63"), "name" : "zahra", "ville" : "casablanca" }
{ "_id" : ObjectId("6753471bfc53fc9410ab9c64"), "name" : "othman", "ville" : [ "casablanca", "tanger" ] }
>
```

3) Implémentation d'une application avec Node.js et MongoDB et réalisation des opérations CRUD

node.js installé :

```
zahra@zahra:~/Downloads$ node -v
v20.10.0
zahra@zahra:~/Downloads$
```

npm init :

```
package name: (productsapp)
version: (1.0.0)
description:
entry point: (index.js)
test command:
git repository:
keywords:
author:
license: (ISC)
About to write to /home/zahra/Documents/productsapp/package.json:
```

```
{
  "name": "productsapp",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}
```

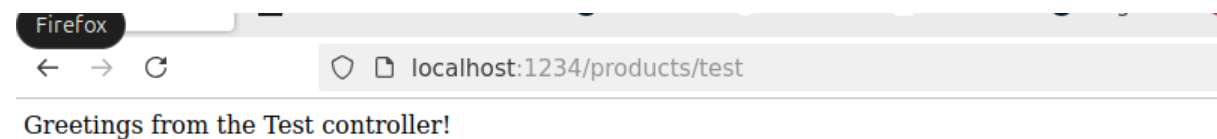
```
Is this OK? (yes)
```

lancement de serveur node :

```
zahra@zahra:~/Documents/productsapp$ node app.js
Server is up and running on port number 1234
```

test de l'application :

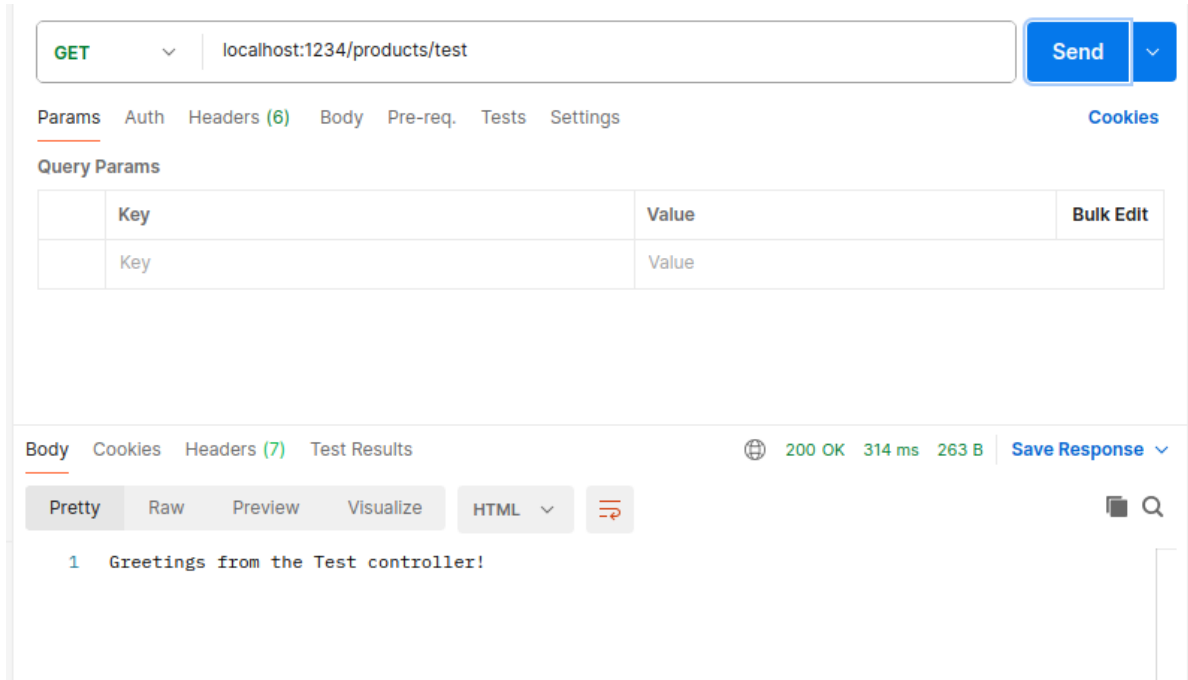
```
zahra@zahra:~/Documents/productsapp$ node app.js
Server is up and running on port number 1234
```



installation de postman :

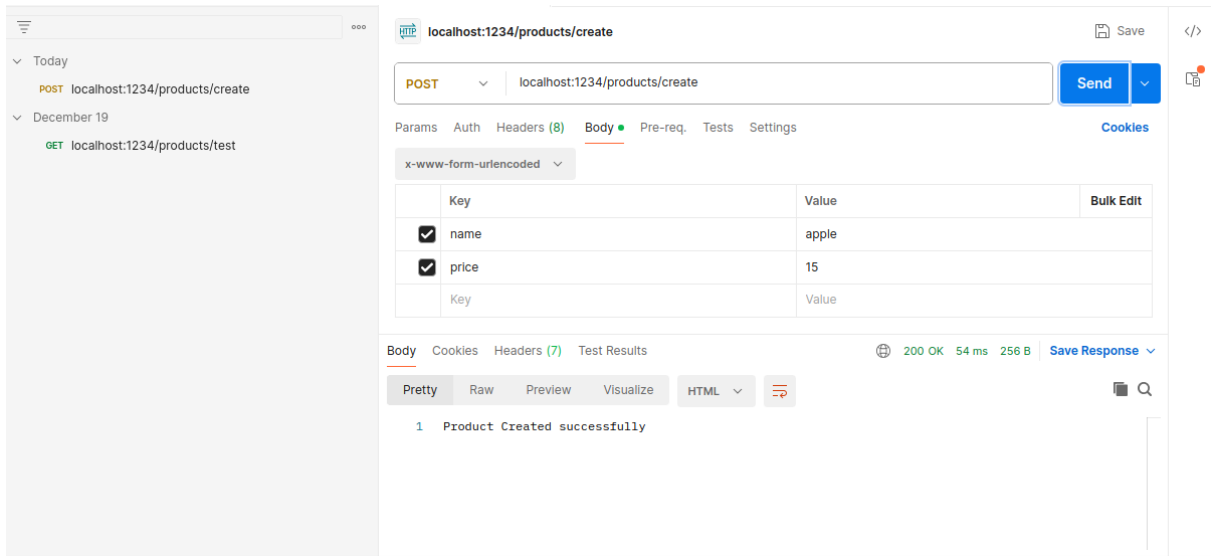
```
zahra@zahra:~/Documents/productsapp$ sudo snap install postman
[sudo] password for zahra:
postman (v11/stable) 11.23.3 from Postman, Inc. (postman-inc✓) installed
zahra@zahra:~/Documents/productsapp$
```


connection à l'application avec postman :



Implémentation des endpoints :

CREATE



```

> show dbs
admin          0.000GB
cinema         0.001GB
config         0.000GB
local          0.000GB
mydb           0.000GB
test           0.000GB
tp_database    0.000GB
> use tp_database
switched to db tp_database
> db.products.find()
{ "_id" : ObjectId("67696aa3e66d6af4908eeadc"), "name" : "apple", "price" : 15,
  "__v" : 0 }
>

```

READ

The screenshot shows a REST client interface with a GET request to `localhost:1234/products/67696aa3e66d6af4908eeadc`. The response is a 200 OK status with a 31 ms response time and 303 B of data. The response body is displayed in JSON format, showing the details of an apple product.

Request: `GET localhost:1234/products/67696aa3e66d6af4908eeadc`

Response: 200 OK, 31 ms, 303 B

```

{
  "_id": "67696aa3e66d6af4908eeadc",
  "name": "apple",
  "price": 15,
  "__v": 0
}

```

UPDATE

localhost:1234/products/67696aa3e66d6af4908eeadc/update

Save

PUT

localhost:1234/products/67696aa3e66d6af4908eeadc/update

Send

Params

Auth

Headers (8)

Body

Pre-req.

Tests

Settings

Cookies

x-www-form-urlencoded

	Key	Value	Bulk Edit
<input checked="" type="checkbox"/>	name	orange	
<input checked="" type="checkbox"/>	price	17	
	Key	Value	

Body

Cookies

Headers (7)

Test Results

200 OK 18 ms 244 B

Save Response

Pretty

Raw

Preview

Visualize

HTML

1

Product updated.

```
> use tp_database
switched to db tp_database
> db.products.find()
{ "_id" : ObjectId("67696aa3e66d6af4908eeadc"), "name" : "orange", "price" : 17,
  "_v" : 0 }
>
```

DELETE

HTTP localhost:1234/products/67696aa3e66d6af4908eeadc/delete Save

DELETE localhost:1234/products/67696aa3e66d6af4908eeadc/delete Send

Params Auth Headers (8) **Body** Pre-req. Tests Settings Cookies

x-www-form-urlencoded

	Key	Value	Bulk Edit
<input checked="" type="checkbox"/>	name	orange	
<input checked="" type="checkbox"/>	price	17	
	Key	Value	

Body Cookies Headers (7) Test Results 200 OK 28 ms 249 B Save Response

Pretty Raw Preview Visualize **HTML**

```
1 Deleted successfully!
```

```
> use tp_database
switched to db tp_database
> db.products.find()
>
```