2022 퍼블리셔 부트캠프 025

- MongoDB Query Operators / Mongoose연결 & 에러fix

!Tips & Links

※ 강의 https://www.udemy.com/course/the-complete-web-development-bootcamp/

※ MongoDB는 port 27017   ※ npm init –y (yes to all) >> npm i mongodb(요즘 --save안 써도 ok)

```
$ mongod log 中
    {"t":{"$date":" ... "},"s":"I",  "c":"NETWORK",  "id":23015,    "ctx":"listener","msg":"Listening_on","attr":{"address":"127.0.0.1"}}
    {"t":{"$date":" ... "},"s":"I",  "c":"NETWORK",  "id":23016,    "ctx":"listener","msg":"Waiting_for_connections","attr":{"port":27017,"ssl":"off"}}
```

※ Query Operator   https://www.mongodb.com/docs/manual/reference/operator/query/

Comparison Operator 비교 연산자	$eq	{$eq: 1}	1 === value	$lt	{$lt: 1}	1 > value
	$gt	{$gt: 1}	1 < value	$lte	{$lte: 1}	1 ≥ value
	$gte	{$gte: 1}	1 ≤ value	$ne	{$ne: 1}	1 !== value
	$in	{$in: 1}	array match	$nin	{$nin: 1}	array !match

※ db.컬렉션.find(**query, projection**) //parameters, both optional(optional parameters are empty => find all)

※ query projection: db.컬렉션.find({price: { $gt: 1000 }, { name: 1, _id: 0 }}) // name: true, _id: false(값x)

※ key ~> _underbar   ※ db.컬렉션.deleteOne({ _id: 2 });

$set

:   db.컬렉션.updateOne({_id: 1}, {$set: {stock: 32}}); // set a new value

※ db날렸을 때>> db.컬렉션.insertMany([{ }]) // 한 배열 안에 여러 객체 / 따로 Create없이 insertMany ok

```
db.products.insertMany([
    { "_id" : 1, "name" : "Pen", "price" : 1200, "stock" : 32 },
    { "_id" : 2, "name" : "Pencil", "price" : 800, "stock" : 12, "reviews" : [ { "authorName" : "user0795", "rating" : 5, "reivew" : "그림이 잘 그려져요, 멋
진 연필 디자인" }, { "authorName" : "deleted_user808", "rating" : 1, "reivew" : "내 인생 최악의 연필" } ] },
    { "_id" : 3, "name" : "Rubber", "price" : 1300, "stock" : 43, "reviews" : [ { "authorName" : "someone", "rating" : 5, "reivew" : "와우 정말 좋은 지우
개" }, { "authorName" : "user3478", "rating" : 5, "reivew" : "지우개똥이 멋져요" } ] }
]);
```

※ Relationship: ① embed document: [{ ~ }, { ~ }]

② separate document: pull-up orders, find orders based on _ID

※ MongoDB with NodeJS: native mongoDB drivers -> interact with applications ,, ~boiler plate~

https://www.mongodb.com/docs/drivers/node/current/quick-start/

※ const assert = require('assert') << testing, validates data entry & MongoDB database connection

※ how to manually shut down mongod sever ☞ sudo pkill –f mongod

※ drop database =>   use 삭제할db명 >   db.dropDatabase()

mongoose	:

ODM, Object Document Mapper https://mongoosejs.com/

npm i mongoose (mongodb도 같이 설치됨:p)

★에러1	Mongoose Server 커넥트 에러	(MongooseServerSelectionError: connect ECONNREFUSED ::1:27017) **mongod --ipv6**
★에러2	코드 결과가 mongo에 적용 X	(nodeJS가 17.4.x) url을 localhost:27017 에서 '**mongodb://0.0.0.0:27017**'로 변경

```
/* ----------<lang: en>---------------------------------------------------------------------------------------------- */
query projection[] 선택할 field / matches query criteria 조건 > find() / specify query, use filter
criteria[kraɪ|tɪriə]기준=standard, criterion[krī'tirēən]표준 // evaluative criteria, band sharing criteria
Arbitrary['ɑːrbətreri]임의, arbitrary number // econnrefused 거절하다ㅠ
MongoDB Cluster / Deprecation Warnings 사용중지 경고 / equivalent [ə'kwiv(ə)lənt] to ~ 상응함
```