



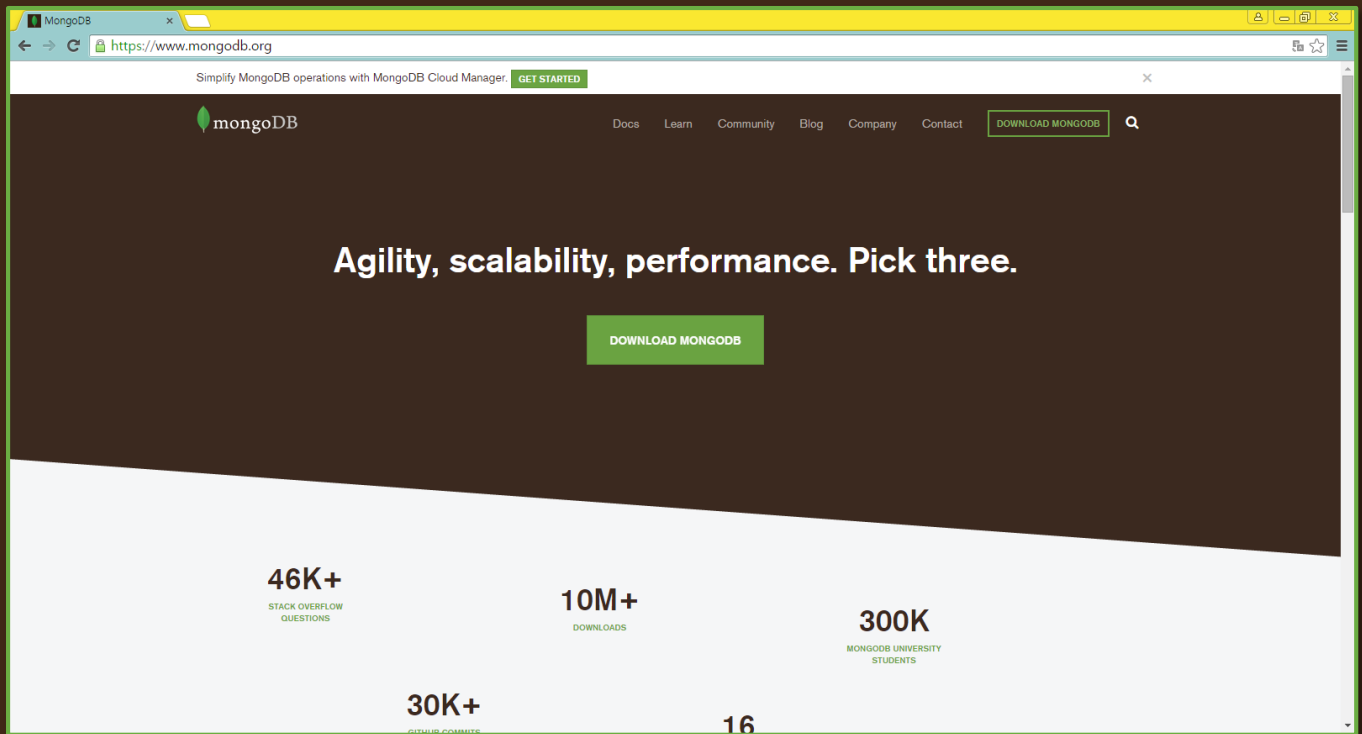
MongoDB

권기웅

1. MongoDB 설치

1.1 MongoDB 설치

<https://www.mongodb.org/>

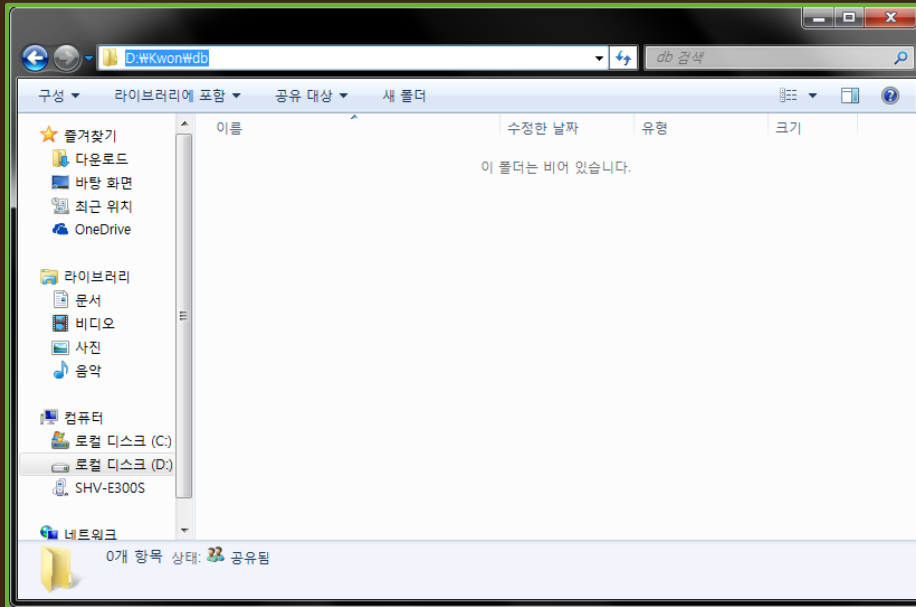


다운 받아서 Next, Next, ...



2. MongoDB 기동

2.1 DB 파일이 저장될 폴더 작성

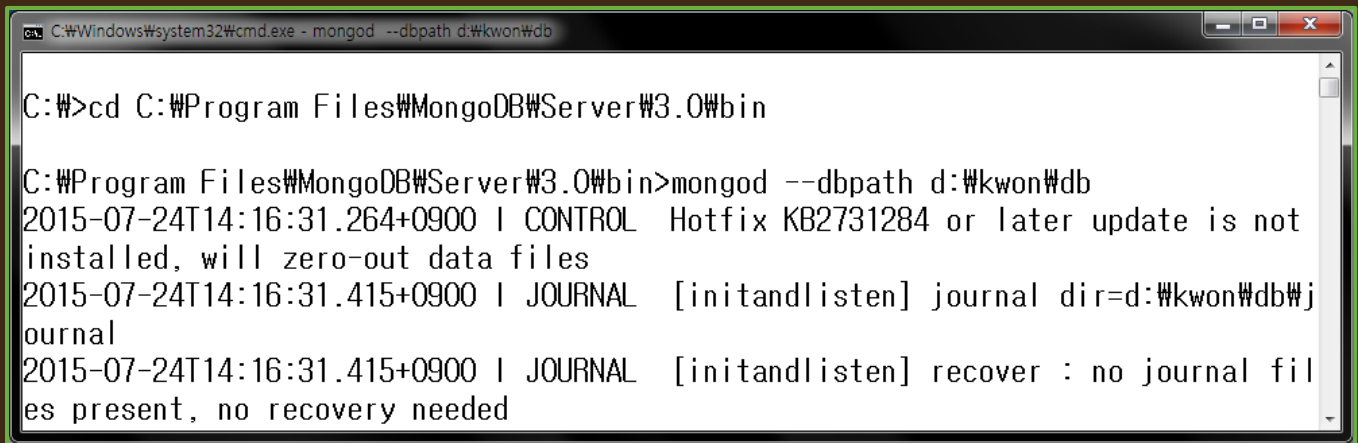


2.2 MongoDB 서비스 시작

명령 프롬프트에서

MongoDB 설치 위치\Server\버전\bin 으로 이동

`mongod --dbpath [DB 파일 저장될 폴더]`



명령 프롬프트 닫을 시, 서비스 종료



3. NoSQL

3.1 MongoDB 콘솔

명령 프롬프트에서

MongoDB 설치 위치\Server\버전\bin 으로 이동

mongo

```
C:\Windows\system32\cmd.exe - mongo

C:\>cd C:\Program Files\MongoDB\Server\3.0\bin

C:\Program Files\MongoDB\Server\3.0\bin>mongo
2015-07-24T14:18:48.211+0900 I CONTROL Hotfix KB2731284 or later update is not
installed, will zero-out data files
MongoDB shell version: 3.0.4
connecting to: test
>
```

3.2 DB 생성 & 접속

use [DB 이름]

```
C:\Program Files\MongoDB\Server\3.0\bin>mongo
2015-07-24T14:18:48.211+0900 I CONTROL Hotfix KB2731284 or later update is not
installed, will zero-out data files
MongoDB shell version: 3.0.4
connecting to: test
> use kwon
switched to db kwon
>
```



3.3 CREATE TABLE

그런 거 없음

RDB 의 테이블은 MongoDB 에서는 JavaScript 배열

3.4 INSERT

db.[배열명].save({속성명 1:값 1, 속성명 2:값 2, ...});

RDB 의 레코드는 MongoDB 에서는 JavaScript 객체 하나

```

C:\Windows\system32\cmd.exe - mongo
> db.product.save({name:'모나미153', price:300});
WriteResult({ "nInserted" : 1 })
> db.product.save({name:'편의점 싸구려 우산', price:3000});
WriteResult({ "nInserted" : 1 })
> db.product.save({name:'핸드폰 usb 케이블', price:2000});
WriteResult({ "nInserted" : 1 })
> db.product.save({name:'커피', price:1000});
WriteResult({ "nInserted" : 1 })
>
  
```

3.5 SELECT

db.[배열명].find();

db.[배열명].find({속성명 1:값 1, 속성명 2:값 2, ...});

db.[배열명].find({속성명:{연산자:값}});

연산자 : '\$lt','\$lte','\$gt','\$gte',...

```

C:\Windows\system32\cmd.exe - mongo
> db.product.find();
{ "_id" : ObjectId("55b1d208297eab2a67a68a5b"), "name" : "모나미153", "price" : 300 }
{ "_id" : ObjectId("55b1d228297eab2a67a68a5c"), "name" : "편의점 싸구려 우산", "price" : 3000 }
{ "_id" : ObjectId("55b1d247297eab2a67a68a5d"), "name" : "핸드폰 usb 케이블", "price" : 2000 }
{ "_id" : ObjectId("55b1d260297eab2a67a68a5e"), "name" : "커피", "price" : 1000 }
> db.product.find({name:'커피'});
{ "_id" : ObjectId("55b1d260297eab2a67a68a5e"), "name" : "커피", "price" : 1000 }
> db.product.find({price:{$lt:2500}});
{ "_id" : ObjectId("55b1d208297eab2a67a68a5b"), "name" : "모나미153", "price" : 300 }
{ "_id" : ObjectId("55b1d247297eab2a67a68a5d"), "name" : "핸드폰 usb 케이블", "price" : 2000 }
{ "_id" : ObjectId("55b1d260297eab2a67a68a5e"), "name" : "커피", "price" : 1000 }
>
  
```



3.6 UPDATE

db.[배열명].update(검색조건, {'\$set':{바꿀속성명 1:값 1, 바꿀속성명 2:값 2}});

```
C:\Windows\system32\cmd.exe - mongo
> db.product.update({name:'커피'},{'$set':{price:500}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.product.find();
{ "_id" : ObjectId("55b1d208297eab2a67a68a5b"), "name" : "모나미153", "price" : 300 }
{ "_id" : ObjectId("55b1d228297eab2a67a68a5c"), "name" : "편의점 싸구려 우산", "price" : 3000 }
{ "_id" : ObjectId("55b1d247297eab2a67a68a5d"), "name" : "핸드폰 usb 케이블", "price" : 2000 }
{ "_id" : ObjectId("55b1d260297eab2a67a68a5e"), "name" : "커피", "price" : 500 }
>
```

3.7 DELETE

db.[배열명].remove(검색조건);

```
C:\Windows\system32\cmd.exe - mongo
> db.product.remove({price:{'$gt':2000}});
WriteResult({ "nRemoved" : 1 })
> db.product.find();
{ "_id" : ObjectId("55b1d208297eab2a67a68a5b"), "name" : "모나미153", "price" : 300 }
{ "_id" : ObjectId("55b1d247297eab2a67a68a5d"), "name" : "핸드폰 usb 케이블", "price" : 2000 }
{ "_id" : ObjectId("55b1d260297eab2a67a68a5e"), "name" : "커피", "price" : 500 }
>
```

