

In [1]:

```
import pymongo
```

In [2]:

```
conn = pymongo.MongoClient()
```

In [3]:

```
conn
```

Out[3]:

```
MongoClient(host=['localhost:27017'], document_class=dict, tz_aware=False, connect=True)
```

db 생성 및 확인

In [4]:

```
conn.database_names()
```

C:\Python\Anaconda3\lib\site-packages\ipykernel_launcher.py:1: DeprecationWarning: database_names is deprecated. Use list_database_names instead.
"""Entry point for launching an IPython kernel.

Out[4]:

```
['admin', 'config', 'local']
```

DB 선택 ¶

- use local
- db = conn.db명

In [5]:

```
db_local = conn.local  
db_local
```

Out[5]:

```
Database(MongoClient(host=['localhost:27017'], document_class=dict, tz_aware=False, connect=True), 'local')
```

DB 선택 -> Collection(table)

- db_col = db_local.[컬렉션명]

In [7]:

```
db_local.collection_names()
```

C:\Python\Anaconda3\lib\site-packages\Wipykernel_launcher.py:1: DeprecationWarning: collection_names is deprecated. Use list_collection_names instead.
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Out[7]:

```
['startup_log', 'items']
```

In [8]:

```
db_loc_col = db_local.items  
db_loc_col
```

Out[8]:

Collection(Database(MongoClient(host=['localhost:27017'], document_class=dict, tz_aware=False, connect=True), 'local'), 'items')

데이터를 넣거나, 삭제하거나, 업데이트하거나, 확인하거나

- 데이터 확인 : db_loc_col.find()
- 데이터 삭제 : db_loc_col.delete()
- 업데이트 : db_loc_col.update()
- 데이터 삽입 : db_loc_col.insert()

데이터 삽입

- db \supset collection \supset document
- 데이터 형태 : { key : value }

In [14]:

```
data = {  
    'name' : 'cola',  
    'pty' : 5,  
    'price' : 500  
}  
db_loc_col.insert(data)
```

C:\Python\Anaconda3\lib\site-packages\Wipykernel_launcher.py:6: DeprecationWarning: insert is deprecated. Use insert_one or insert_many instead.

Out[14]:

```
ObjectId('5dc222cc5a1841537ebba2b4')
```

In [15]:

```
print(conn.database_names())
cursor = db_loc_col.find()
for doc in cursor :
    print(doc)
```

```
['admin', 'config', 'local']
{'_id': ObjectId('5dc1085d3591b6b26fe632c2'), 'name': 'cola', 'pty': 5, 'price': 500}
{'_id': ObjectId('5dc1089a3591b6b26fe632c3'), 'name': 'cola', 'pty': 5, 'price': 500}
{'_id': ObjectId('5dc222815a1841537ebba2b3'), 'name': 'cola', 'pty': 1, 'price': 500}
{'_id': ObjectId('5dc222cc5a1841537ebba2b4'), 'name': 'cola', 'pty': 5, 'price': 500}
```

C:\Python\WAnaconda3\lib\site-packages\Wipykernel_launcher.py:1: DeprecationWarning: database_names is deprecated. Use list_database_names instead.
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실습

- game DB에 게임명과 캐릭터명, 사용유저 수 추가 후 확인

In [35]:

```
db_local = conn['game']
db = db_local.game
db
```

Out[35]:

```
Collection(Database(MongoClient(host=['localhost:27017'], document_class=dict, tz_aware=False, connect=True), 'game'), 'game')
```

In [38]:

```
game = input('game name : ')
heroname = input('hero name : ')
userNum = input('user number : ')
```

```
game name : LOL
hero name : 징크스
user number : 123444
```

In [40]:

```
data = {
    'games' : game,
    'heros' : heroname,
    'userNum' : userNum
}
db.insert(data)
```

C:\WPython\Anaconda3\lib\site-packages\Wipykernel_launcher.py:6: DeprecationWarning: insert is deprecated. Use insert_one or insert_many instead.

Out[40]:

ObjectId('5dc227ee5a1841537ebba2b7')

In [41]:

```
print(conn.database_names())
cursor = db.find()
for doc in cursor :
    print(doc)
```

```
['admin', 'config', 'game', 'local']
{'_id': ObjectId('5dc227185a1841537ebba2b6'), 'games': 'LOL', 'heros': 'None', 'userNum': 1259900}
{'_id': ObjectId('5dc227ee5a1841537ebba2b7'), 'games': 'LOL', 'heros': '징크스', 'userNum': '123444'}
```

C:\WPython\Anaconda3\lib\site-packages\Wipykernel_launcher.py:1: DeprecationWarning: database_names is deprecated. Use list_database_names instead.
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