pymongo

```
import requests, pymongo
import pandas as pd


# client 연결
client = pymongo.MongoClient('mongodb://localhost:27017/')


# dss 데이터 베이스 선택
db = client.dss


# 해당 데이터베이스의 컬렉션 리스트
db.collection_names()


# info 컬렉션을 선택
collection = db.info
```

Find

```
# 한개의 도큐먼트 가져오기
document = collection.find_one({"subject":"python"})
document


# 모든 도큐먼트 가져오기
documents = collection.find()


# collection.find()는 cursor를 리턴 cursor는 일회성 (한번 읽으면 next를 가르킴)
```

```python
for document in documents:
    print(document)
# 도큐먼트의 갯수를 가져옴
documents = collection.find()
documents.count()


# level이 3이상인 도큐먼트를 내림차순으로 정렬
# pymongo.DESCENDING(내림차순), pymongo.ASCENDING(오름차순)
documents = collection.find({"level": {"$lte": 3}}).sort("level",
pymongo.DESCENDING)
for document in documents:
    print(document)
```

Insert

```python
data = {"subject":"css", "level":1, "comments":[{"name":"peter", "msg":"easy"}]}
result = collection.insert_one(data)
print(result.inserted_id)


data = [
    {"subject":"java", "level":1, "comments":[{"name":"peter", "msg":"easy"}]},
    {"subject":"html", "level":2, "comments":[{"name":"peter", "msg":"medium"}]},
    {"subject":"gulp", "level":3, "comments":[{"name":"peter", "msg":"hard"}]},
]
result = collection.insert_many(data)
print(result.inserted_ids)
```

직방

db와 collection 생성

zigbang = client.crawling.zigbang

crawling

```
response = requests.get("https://api.zigbang.com/v3/items?
detail=true&item_ids=[11006176,10956104,11083471,10964064,10903585,1076652
1,11017647,10925356,11080905,10924255,10870769,11071577,11051054,109040
05,11060000,11002492,11044846,11018904,10954026,10835867,11058629,11028
065,10687322,11070152,10895663,10774316,10984952,10641621,11048873,1096
2584,10901466,10660127,10829765,11057557,11038781,11045239,10924919,110
02505,11051581,10982750,10850481,11037776,11070157,11016577,10939180,10
929836,10993965,11019301,11042687,11058669,11013272,10815537,10919337,1
1058809,10945192,11025755,10962722,11080740,10804464,10890171]")
```

zigbang_dict_list = response.json().get("items")

make insert query

items = [item["item"] for item in zigbang_dict_list]

insert

zigbang.insert_many(items)

the number of document

MONGO_QUERY = {}

zigbang.find(MONGO_QUERY).count()

```
columns =
["address1","address2","address3","agent_address1","agent_email","agent_mobile
","deposit","description"]

df = pd.DataFrame(items, columns=columns)

# deposit 1억 이하 데이터 출력

df[df["deposit"] < 10000]


# delete collection

client.crawling.drop_collection("zigbang")
```