Answers and Remarque

mercredi 6 novembre 2024 1:31 PM

1. when we get result from manged b database we get them in fra of duct and pretty printer help us to print them mak siganized

pp: hetty hinter (indent-2)

Mongodb. sever.

Puntual machine.

O Jupter python and mangodb. surer are independent process running on the same virtual machine

o Jupter python is a client to connect in mangodb server need: 1. on wich machine the manfield is rummy: boal cal host;

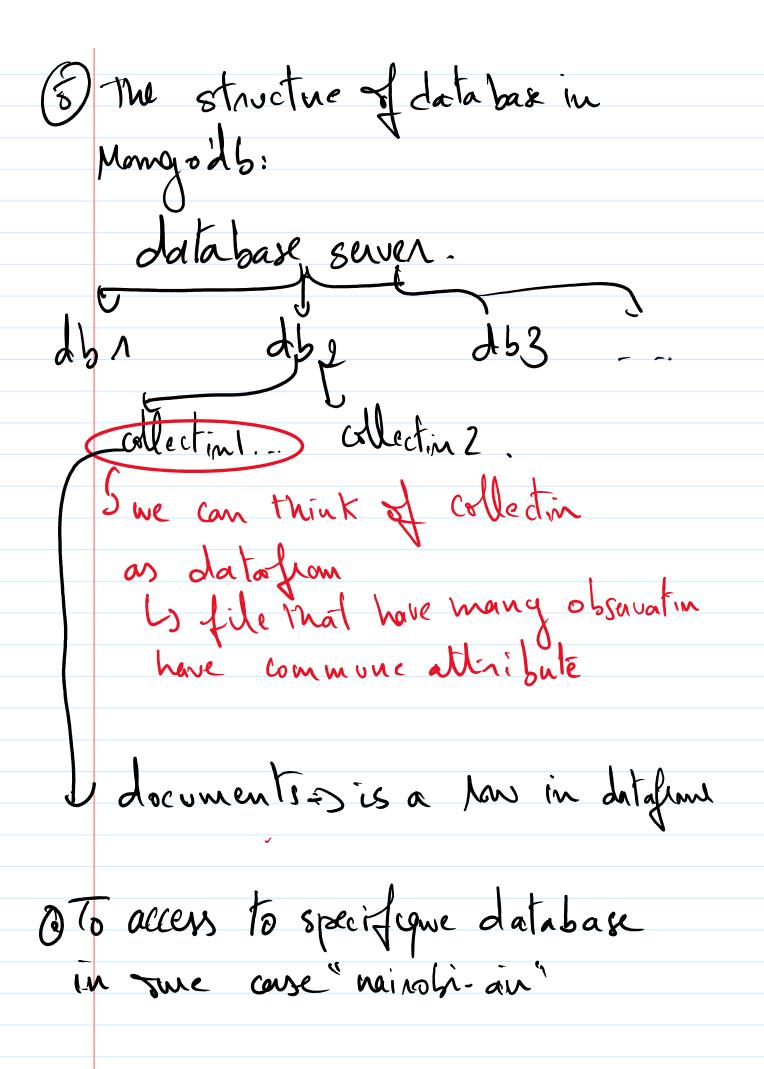
. was as vi....

2. which prithe mangodb is using: in our cax (27019 default)

client = MongoClient(host="localhost",port=27017)

3) so the iterator in python is baselly a container that hold object but iterate only one object at line of n anc time => how it works: bascelly it allocate a place in memoy for me item then when you want the next item it will reallocate the some space In the next item. => we use it when we have a large amount of data instead of just laad it in list take much menne we ux iteratr.

menne we ux teratr. Re: to go throw iterata:
we make it a list slist this.
In cimiter: to get all all the dabase: client. list_data bases() iterator that we have to iterate : for d in client.list_databases(): : pp.pprint(list(client.list_databases())) pp.pprint(d) [{'empty': False, 'name': 'admin', 'sizeOnDisk': 40960} {'empty': False, 'name': 'air-quality', 'sizeOnDisc': 4190208 {'empty': False, 'name': 'config', 'sizeOnDisk': 122d {'empty': False, 'name': 'local', 'sizeOnDisk': 73728}, {'empty': False, 'name': 'wqu-abtest', 'sizeOnDisk': 585728}] that we need it



```
db = client["air-quality"]
 db. list-contlections ():
           iterator so we have
   to it crate I wough it.
       : | for c in db.list_collections():
            pp.pprint(c["name"])
) to retreive a document from.
collectin: collectin. find_ne(49).
 Ihr structure of document.
                    minar g key (i dent efter)
     { 'id': ObjectId('6525d772f44bfedd842a6fcc'),
       'metadata': { 'lat': -1.3,
                'lon': 36.785,
                'measurement': 'temperature',
                'sensor_id': 58,
                'sensor type': 'DHT22',
                'site': 29},
```

timestamp': datetime.datetime(2018, 9, 1, 0, 0, 4, 301000)}

'temperature': 16.5,

data.

bascly data about data

analogy with email:
the content of email: data

when was sent metadata

the war sent.