程设第十四次作业
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选择使用 MongoDB 完成任务

任务一：通过账户和密码连接数据库

打开 MongoDB Compass
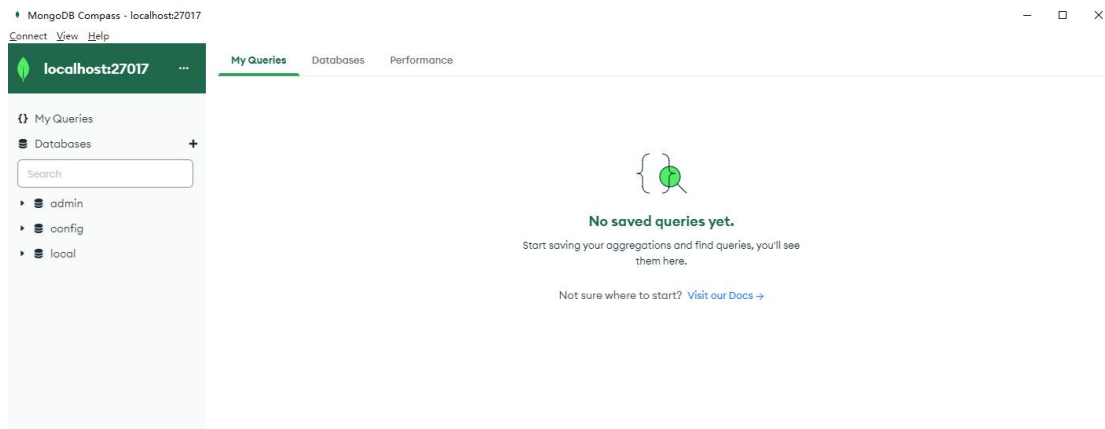
设置账号和密码
初始 user 为空

依次创建 root 用户、管理用户和普通用户（对课堂上的 student 数据库）

在 **mongo** 配置文件加入如下语句启动授权

```
security:

    authorization: enabled
```

再次跑课堂上的 **mongo** 代码

```
PS E:\code\py_code> python -u "c:\Users\LF\Desktop\week15\week15\mongo.py"
Traceback (most recent call last):
  File "c:\Users\LF\Desktop\week15\week15\mongo.py", line 3, in <module>
    dblist = myclient.list_database_names()
  File "E:\py\lib\site-packages\pymongo\mongo_client.py", line 1867, in list_database_names
    return [doc["name"] for doc in self.list_databases(session, nameOnly=True, comment=comment)]
  File "E:\py\lib\site-packages\pymongo\mongo_client.py", line 1840, in list_databases
    res = admin._retryable_read_command(cmd, session=session)
  File "E:\py\lib\site-packages\pymongo\database.py", line 849, in _retryable_read_command
    return self.__client._retryable_read(_cmd, read_preference, session)
  File "E:\py\lib\site-packages\pymongo\_csot.py", line 105, in csot_wrapper
    return func(self, *args, **kwargs)
  File "E:\py\lib\site-packages\pymongo\mongo_client.py", line 1448, in _retryable_read
    return func(session, server, sock_info, read_pref)
  File "E:\py\lib\site-packages\pymongo\database.py", line 837, in _cmd
    return self._command(
  File "E:\py\lib\site-packages\pymongo\database.py", line 688, in _command
    return sock_info.command(
  File "E:\py\lib\site-packages\pymongo\pool.py", line 767, in command
    return command(
  File "E:\py\lib\site-packages\pymongo\network.py", line 166, in command
    helpers._check_command_response(
  File "E:\py\lib\site-packages\pymongo\helpers.py", line 181, in _check_command_response
    raise OperationFailure(errmsg, code, response, max_wire_version)
pymongo.errors.OperationFailure: command listDatabases requires authentication, full error: {'ok': 0.0, 'errmsg': 'command listDatabases requires authentica
tion', 'code': 13, 'codeName': 'Unauthorized'}
PS E:\code\py_code> []
```

添加账号密码信息后再次运行

```
C: > Users > LF > Desktop > week15 > week15 > 🐍 mongo.py > ...
  1  import pymongo
  2  myclient = pymongo.MongoClient("mongodb://LF          localhost:27017/?authMechanism=DEFAULT")
  3  dblist = myclient.list_database_names()
  4  for db in dblist:
  5      print(db)
  6  mydb = myclient["student"]
  7  mycol = mydb["comments"]
  8  myclient.close()


问题   输出   终端   调试控制台

PS E:\code\py_code> python -u "c:\Users\LF\Desktop\week15\week15\mongo.py"
Test_for_cs
admin
config
local
student
PS E:\code\py_code> []
```
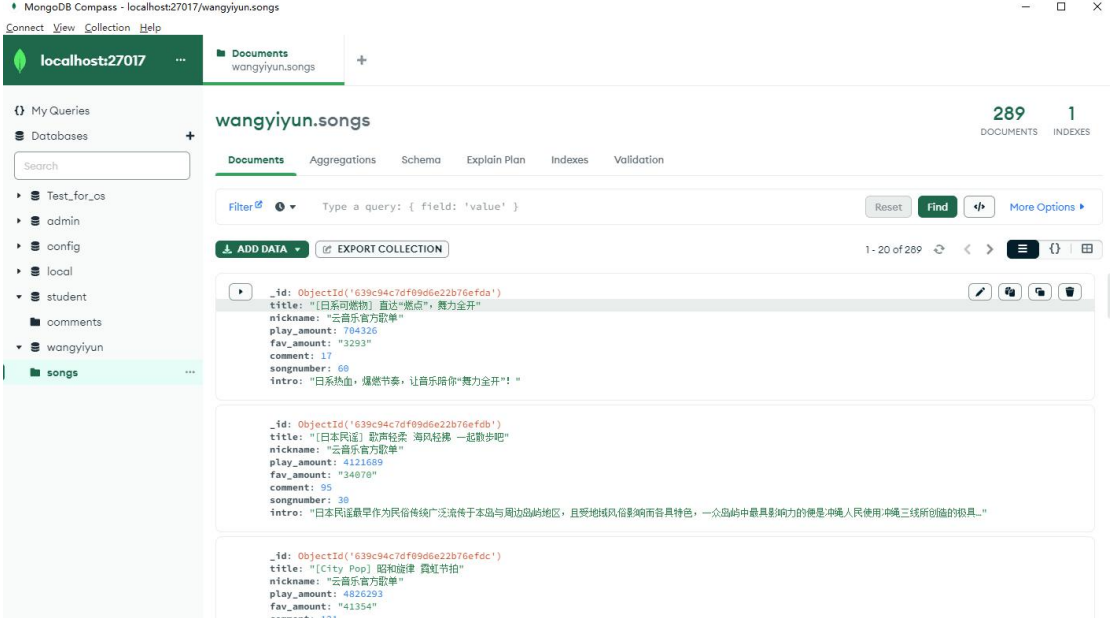
账号密码配置成功！

任务二：处理爬虫系统的数据并保存至数据库

在 **week14** 爬虫的基础上添加

```python
texts=[]
for list in inf:
    dic={}
    col = ['title','nickname','play_amount','fav_amount','comment','songnumber','intro']
    for i in range(len(col)):
        dic[col[i]] = list[i]
    texts.append(dic)
print('load %d lines' % len(texts))
client = pymongo.MongoClient('                                    ?authMechanism=DEFAULT")
db=client.wangyiyun
collection=db.songs
result=collection.insert_many(texts)
print(result)
client.close()
```

输出结果


```
load 289 lines
<pymongo.results.InsertManyResult object at 0x0000026578AAD960>
PS E:\code\py_code> 
```

在数据库中查看

连接成功！