

1、python链接mysql数据库

1、建立链接

```
conn=pymysql.connect(  
    host="127.0.0.1",  
    port=3306,  
    user="root",  
    password="123456",  
    database="douban"  
)
```

2、创建游标对象

```
cursor=conn.cursor() #创建游标对象
```

3、执行插入数据库操作

```
sql_insert="""INSERT INTO movie_info(title,actors,regions,release_time,score,rank,types)  
VALUES (%s,%s,%s,%s,%s,%s,%s)"""  
cursor.executemany(sql_insert,t_list) #插入数据  
conn.commit() #关闭连接
```

```
import requests  
from user_headers import L  
import json  
import csv  
import random  
import pymysql  
  
class Douban:  
    def __init__(self):  
        self.url="https://movie.douban.com/j/chart/top_list?"  
        self.headers={"User-Agent":random.choice(L)}  
  
    def get_json_data(self):  
        with open("movie.csv","w",encoding="utf-8",newline="") as f:  
            writer=csv.writer(f)  
            writer.writerow(["电影名称","演员信息","国家","上映时间","评分","排名","电影类型"])  
            for i in range(0,81,20):  
                params={  
                    "type":"13",  
                    "interval_id":"100:90",  
                    "action":"","
```

```

        "start":str(i),
        "limit":"20"
    }
    res=requests.get(self.url,headers=self.headers,params=params)
    res.encoding="utf-8"
    html=res.text
    json_data=json.loads(html) #将源代码转换为json数据
    self.get_data(json_data) #调用获取信息的函数

def get_data(self,json_data):
    for i in json_data:
        title=i["title"] #获取电影名称
        actors=i["actors"] #获取演员信息 list
        actors=",".join(actors)
        regions=i["regions"] #获取国家信息 list
        regions=",".join(regions)
        release_date=i["release_date"] #获取上映时间
        score=i["score"] #获取评分信息
        rank=i["rank"] #获取排名信息
        types=i["types"] #获取类型信息 list
        types=",".join(types)
        content=[title,actors,regions,release_date,score,rank,types]
        # self.save_data(content) #调用保存数据的函数
        self.save_mysql(content) #调用保存数据库的函数

def save_data(self,content):
    with open("movie.csv","a",encoding="utf-8",newline="") as f:
        writer=csv.writer(f)
        writer.writerow(content)
        print("数据存储成功!")

def save_mysql(self,content): #将数据存储到数据库的函数
    t_content = tuple(content)
    t_list=[t_content]
    conn=pymysql.connect(
        host="127.0.0.1",
        port=3306,
        user="root",
        password="123456",
        database="douban"
    )
    cursor=conn.cursor() #创建游标对象
    sql_insert="""INSERT INTO
movie_info(title,actors,regions,release_time,score,rank,types) VALUES
(%s,%s,%s,%s,%s,%s,%s,%s)"""
    cursor.executemany(sql_insert,t_list) #插入数据
    conn.commit() #关闭连接
    print("数据存储成功!")

douban=Douban()
douban.get_json_data()

```

2、有道翻译

```
i: 橙子
from: AUTO
to: AUTO
smartresult: dict
client: fanyideskweb
salt: 15755328116991 #不同
sign: 8426ffae4746b0c256debb05c2fe6360 #不同
ts: 1575532811699 #不同
bv: 6cf12640614e68ba598ee58ceccb0605
doctype: json
version: 2.1
keyfrom: fanyi.web
action: FY_BY_CLICKBUTTON
```

```
i: 苹果
from: AUTO
to: AUTO
smartresult: dict
client: fanyideskweb
salt: 15755326946679
sign: b8bd75822a971700fe6d340ddff3d580
ts: 1575532694667
bv: 6cf12640614e68ba598ee58ceccb0605
doctype: json
version: 2.1
keyfrom: fanyi.web
action: FY_BY_CLICKBUTTON
```

r变量为获取当前时间节点的时间戳 ---> ts

i变量为 r+一个0~9之间的随机数 ----> salt

e变量为 输入需要翻译的单词

sign--> md5加密("fanyideskweb" +e+i+"n%A-rKaT5fb[Gy?;N5@Tj"])

```
import requests
import json
from user_headers import L
import random
import time
from hashlib import md5

class Youdao:
    def __init__(self):
        self.url="http://fanyi.youdao.com/translate_o?smartresult=dict&smartresult=rule"
        self.headers={"User-Agent":random.choice(L),
```

```
"Cookie": "OUTFOX_SEARCH_USER_ID=-1431696184@10.169.0.83;  
OUTFOX_SEARCH_USER_ID_NCOO=1943625779.162675; JSESSIONID=aaaUBWn5SCFytfQLoev7w;  
__rl__test__cookies=1575535864354",  
"Referer": "http://fanyi.youdao.com/"}
```

```
def get_json(self):  
    word=input("请输入需要翻译的单词:")  
    ts =str(int(time.time() * 10000)) # 获取时间戳  
    salt = ts + str(random.randint(0, 9)) # 生成0~9之间的随机整数  
    data = "fanyideskweb" + word + salt + "n%A-rKaT5fb[Gy?;N5@Tj"  
    s = md5()  
    s.update(data.encode())  
    sign = s.hexdigest()  
    data={  
        "i":word,  
        "from":"AUTO",  
        "to": "ko",  
        "smartresult":"dict",  
        "client":"fanyideskweb",  
        "salt":salt,  
        "sign":sign,  
        "ts": ts,  
        "bv":"6cf12640614e68ba598ee58ceccb0605",  
        "doctype":"json",  
        "version":"2.1",  
        "keyfrom":"fanyi.web",  
        "action":"FY_BY_CLICKBUTTON"  
    }  
    res=requests.post(self.url,headers=self.headers,data=data)  
    res.encoding="utf-8"  
    html=res.text  
    json_data=json.loads(html)  
    self.get_data(json_data)  
  
def get_data(self,json_data):  
    data=json_data["translateResult"][0][0]["tgt"]  
    print("翻译的结果为:",data)
```

```
youdao=Youdao()  
youdao.get_json()
```

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