**bol：为collection，bol表格**

**Bol: 为document，bol表格中的每一行数据**

# 打开database：

use('wms');



1. *from* pymongo.mongo\_client *import* MongoClient
2. *from* pymongo.server\_api *import* ServerApi
3. *from* datetime *import* date  *# Import datetime*
4. *# Connect to MongoDB*
5. uri = "mongodb+srv://worker01:1407@clusterdb.md2c04v.mongodb.net/?retryWrites=true&w=majority"
6. client = MongoClient(uri, *server\_api*=ServerApi('1'))
7. *# Confirm Connection*
8. *try*:
9. client.admin.command('ping')
10. print("Pinged your deployment. You successfully connected to MongoDB!")
11. *except* Exception *as* e:
12. print(e)
13. *# Access Database and Collection*
14. db = client['wms']
15. bol\_collection = db['bol']

# 增加：document。 添加每一个新的Bol到bol这个表。

db.getCollection('bol').insertOne({

BOL: "OOLU4120179620",

Container: "CSNU7244380",

ETA: new Date("2023-10-31"), // Use a Date object for date fields

Note: "8601 west Jefferson, Tolleson AZ 85353",

Truck: "FAE",

Customer: "Weida" // Corrected the spelling

});

docu01 = {

    "BOL": "CMDUNBDN396988",  *# Keys in quotes*

    "Container": "BMOU6393735",

    "ETA": date(2023, 11, 1),  *# Correct date format*

    "Note": "8601 west Jefferson, Tolleson AZ 85353",

    "Truck": "Hung",

    "Customer": "Leadway"

}

检查是否添加成功：

result01 = bol\_collection.insert\_one(docu01)

print("Inserted document id:", result01.inserted\_id)

# 在bol表中删除某个Bol，使用id寻找

db.getCollection("bol").deleteOne({\_id:ObjectId('658fe0c565b01ff80d4df8aa')})

bol\_collection.delete\_one({"BOL": "CMDUNBDN396988"})

# Update，在已存在的Bol中添加Item

*# 改当前info, 用 $set*

result03 = bol\_collection.update\_one(

    {"BOL": "CMDUNBDN396988"},

    {"$set": {"Truck": "New Truck"}}

)

*# Check if the update was successful*

*if* result03.matched\_count > 0:

*if* result03.modified\_count > 0:

        print("Update successful.")

*else*:

        print("Document found, but no changes were needed.")

*else*:

    print("No documents matched the query. Update not performed.")

*# 改，添加新info进当前bol 用 $push*

result04 = bol\_collection.update\_one(

    {"BOL": "CMDUNBDN396988"},

    {"$push": {"Items": {"name": "LUCKY20231231",

                         "count": 10,

                         "pallet": 1,

                         "cost": 12.2,

                         "price": 50,

                         "vendor":"",

                         "vendor\_invoice":""}}}

)

*# Check if the update was successful*

*if* result04.matched\_count > 0:

*if* result04.modified\_count > 0:

        print("Update successful.")

*else*:

        print("Document found, but no changes were needed.")

*else*:

    print("No documents matched the query. Update not performed.")