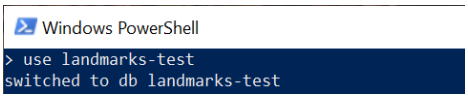
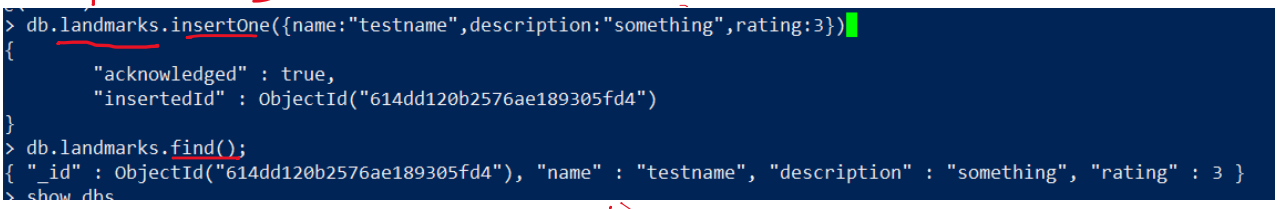
Lets create our first database

1. The mongo server must be running-> as we said in order to do so open powershell and execute-> mongod.exe
2. Now open also another powershell and open the mongo shell-> just type mongo
3. Clear terminal:
    a. cls command or
    b. Ctrl+l (clear screen)
4. To create db type : use nameofdb **(if it already exist it is going to simply use it**) Always start with this command to determine the collection you are using in queries

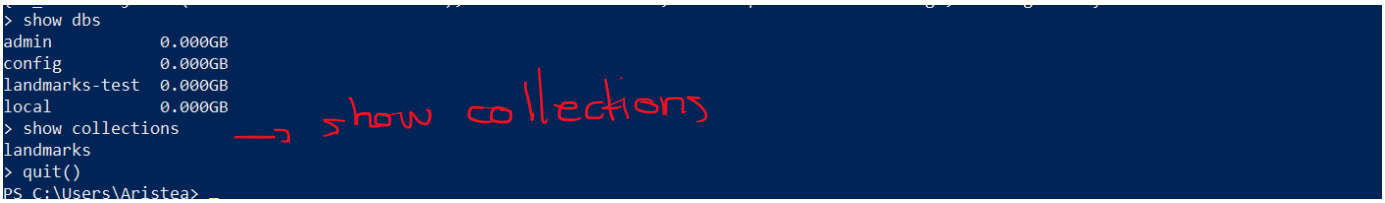


5. Create collection and document!



display all documents from collection

show dbs <-



show collections

6. db.landmarks.insertMany([{},{}]) -> INSERT 2 new documents at once in a collection
7. CRUD: Querying (Reading) Documents
   db.landmarks.find({name:"testname"})

   db.landmarks.find({rating: {$lte:5 } })

this stands for less than or equal <=

db.landmarks.find({rating: {$lt:5 } ,description:”something”})
//we want both the above to be true, we have 2 criteria → AND

$gte >= , $gt >

db.landmarks.find({ $or: [{rating: {$lt:5 }} ,{description:”something”}]}) → OR query
db.landmarks.find({ $or: [{**FIRST_CONDITION**} ,{**SECOND_CONDITION**}]}) → OR query

$or → OR operator

[{FIRST_CONDITION} ,{SECOND_CONDITION}] → array of conditions

db.landmarks.find({ $or: [{rating: {$lt:5 }} ,{description:"something"}]},{name:1}) → return only name
{ "_id" : ObjectId("614dd120b2576ae189305fd4"), "name" : "testname" }

8. db.collection.updateOne(filter, update, options)
   db.landmarks.updateOne({name:" testname "},{$set:{name:"landmarkshey"}})

   db.landmarks.updateOne({$or: [{rating: {$lt:5 }}
   ,{description:”something”}]},{$set:{name:"landmarkshey"}})

9. db.landmarks.updateMany({name: "test"}, {$set:{rating: 5}})
10. db.landmarks.deleteOne({rating:{$lt:1}}) //delete the first document matching query
11. db.landmarks.deleteMany({rating:{$lt:1}}) //delete all documents matching query

MongoDB compass

1. make sure that the server is running
2. select new connection option -> press connect (hostname and port must be filled already)
3. no you see your databases and you have a graphical interface to manipulate your collections/documents