ASSSIGNMENT 1 : MONGODB CRUD OPPERATIONS

> use assi1crud

switched to db assi1crud

> db.createCollection("Library");

{ "ok" : 1 }

> db.library.insert({"bid":1,"bname":"C++"});

WriteResult({ "nInserted" : 1 })

> db.library.insert({"bid":2,"bname":"DBMS"});

WriteResult({ "nInserted" : 1 })

> db.library.insert({"bid":3,"bname":"python"});

WriteResult({ "nInserted" : 1 })

> db.library.find();

{ "\_id" : ObjectId("619138b516cdbc436d541ae5"), "bid" : 1, "bname" : "C++" }

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

{ "\_id" : ObjectId("619138e416cdbc436d541ae7"), "bid" : 3, "bname" : "python" }

> db.library.find().pretty;

function() {

this.\_prettyShell = true;

return this;

}

> db.library.find().pretty();

{ "\_id" : ObjectId("619138b516cdbc436d541ae5"), "bid" : 1, "bname" : "C++" }

{

"\_id" : ObjectId("619138ca16cdbc436d541ae6"),

"bid" : 2,

"bname" : "DBMS"

}

{

"\_id" : ObjectId("619138e416cdbc436d541ae7"),

"bid" : 3,

"bname" : "python"

}

> db.library.update({"bname":"python"},{$set:{"bname":"PYTHON 3.7"}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.library.find().pretty();

{ "\_id" : ObjectId("619138b516cdbc436d541ae5"), "bid" : 1, "bname" : "C++" }

{

"\_id" : ObjectId("619138ca16cdbc436d541ae6"),

"bid" : 2,

"bname" : "DBMS"

}

{

"\_id" : ObjectId("619138e416cdbc436d541ae7"),

"bid" : 3,

"bname" : "PYTHON 3.7"

}

> db.library.remove({"bid":1});

WriteResult({ "nRemoved" : 1 })

> db.library.find();

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

{ "\_id" : ObjectId("619138e416cdbc436d541ae7"), "bid" : 3, "bname" : "PYTHON 3.7" }

> db.library.find({"bname":"DBMS"});

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

>

>

> db.library.insert({"bid":4,"bname":"DBMS"});

WriteResult({ "nInserted" : 1 })

> db.library.remove({"bid":4});

WriteResult({ "nRemoved" : 1 })

> db.library.insert({"bid":4,"bname":"DBMS","desc":"book2"});

WriteResult({ "nInserted" : 1 })

> db.library.find({"bname":"DBMS"});

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

{ "\_id" : ObjectId("61913a7716cdbc436d541ae9"), "bid" : 4, "bname" : "DBMS", "desc" : "book2" }

>

>

> db.library.find({$and[{"bname":"DBMS"},{"desc":"book2"}]});

uncaught exception: SyntaxError: missing : after property id :

@(shell):1:21

> db.library.find({$and:[{"bname":"DBMS"},{"desc":"book2"}]});

{ "\_id" : ObjectId("61913a7716cdbc436d541ae9"), "bid" : 4, "bname" : "DBMS", "desc" : "book2" }

> db.library.find({$or:[{"bname":"DBMS"},{"desc":"book2"}]});

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

{ "\_id" : ObjectId("61913a7716cdbc436d541ae9"), "bid" : 4, "bname" : "DBMS", "desc" : "book2" }

>

>

>

> db.library.insert({"bid":7,"bname":"mystory 3","cost":50});

WriteResult({ "nInserted" : 1 })

> db.library.insert({"bid":6,"bname":"mystory 2","cost":800});

WriteResult({ "nInserted" : 1 })

> db.library.insert({"bid":5,"bname":"mystory","cost":500});

WriteResult({ "nInserted" : 1 })

> db.library.find({"cost":{$gte:100}});

{ "\_id" : ObjectId("61913c3816cdbc436d541aee"), "bid" : 6, "bname" : "mystory 2", "cost" : 800 }

{ "\_id" : ObjectId("61913c4016cdbc436d541aef"), "bid" : 5, "bname" : "mystory", "cost" : 500 }

> db.library.find({"cost":{$ne:500}});

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

{ "\_id" : ObjectId("619138e416cdbc436d541ae7"), "bid" : 3, "bname" : "PYTHON 3.7" }

{ "\_id" : ObjectId("61913a7716cdbc436d541ae9"), "bid" : 4, "bname" : "DBMS", "desc" : "book2" }

{ "\_id" : ObjectId("61913c3016cdbc436d541aed"), "bid" : 7, "bname" : "mystory 3", "cost" : 50 }

{ "\_id" : ObjectId("61913c3816cdbc436d541aee"), "bid" : 6, "bname" : "mystory 2", "cost" : 800 }

>

>

>

> db.library.find({"cost":{$in:[100,200,500,800]}});

{ "\_id" : ObjectId("61913c3816cdbc436d541aee"), "bid" : 6, "bname" : "mystory 2", "cost" : 800 }

{ "\_id" : ObjectId("61913c4016cdbc436d541aef"), "bid" : 5, "bname" : "mystory", "cost" : 500 }

>

>

> db.library.find({"cost":{$nin:[100,200,500,800]}});

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

{ "\_id" : ObjectId("619138e416cdbc436d541ae7"), "bid" : 3, "bname" : "PYTHON 3.7" }

{ "\_id" : ObjectId("61913a7716cdbc436d541ae9"), "bid" : 4, "bname" : "DBMS", "desc" : "book2" }

{ "\_id" : ObjectId("61913c3016cdbc436d541aed"), "bid" : 7, "bname" : "mystory 3", "cost" : 50 }

>

>

>

> db.library.save({"\_id":ObjectId("123456789abcdef123456789"),"bid":10,"bname":"objectid","cost":100});

WriteResult({

"nMatched" : 0,

"nUpserted" : 1,

"nModified" : 0,

"\_id" : ObjectId("123456789abcdef123456789")

})

>

>

>

> db.library.find();

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

{ "\_id" : ObjectId("619138e416cdbc436d541ae7"), "bid" : 3, "bname" : "PYTHON 3.7" }

{ "\_id" : ObjectId("61913a7716cdbc436d541ae9"), "bid" : 4, "bname" : "DBMS", "desc" : "book2" }

{ "\_id" : ObjectId("61913c3016cdbc436d541aed"), "bid" : 7, "bname" : "mystory 3", "cost" : 50 }

{ "\_id" : ObjectId("61913c3816cdbc436d541aee"), "bid" : 6, "bname" : "mystory 2", "cost" : 800 }

{ "\_id" : ObjectId("61913c4016cdbc436d541aef"), "bid" : 5, "bname" : "mystory", "cost" : 500 }

{ "\_id" : ObjectId("123456789abcdef123456789"), "bid" : 10, "bname" : "objectid", "cost" : 100 }

>

>

>

> db.library.save({"\_id":ObjectId("61913c4016cdbc436d541aef"),"bid":10,"bname":"objectid","cost":100});

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

>

>

> db.library.find();

{ "\_id" : ObjectId("619138ca16cdbc436d541ae6"), "bid" : 2, "bname" : "DBMS" }

{ "\_id" : ObjectId("619138e416cdbc436d541ae7"), "bid" : 3, "bname" : "PYTHON 3.7" }

{ "\_id" : ObjectId("61913a7716cdbc436d541ae9"), "bid" : 4, "bname" : "DBMS", "desc" : "book2" }

{ "\_id" : ObjectId("61913c3016cdbc436d541aed"), "bid" : 7, "bname" : "mystory 3", "cost" : 50 }

{ "\_id" : ObjectId("61913c3816cdbc436d541aee"), "bid" : 6, "bname" : "mystory 2", "cost" : 800 }

{ "\_id" : ObjectId("61913c4016cdbc436d541aef"), "bid" : 10, "bname" : "objectid", "cost" : 100 }

{ "\_id" : ObjectId("123456789abcdef123456789"), "bid" : 10, "bname" : "objectid", "cost" : 100 }

>