[root@localhost student]# systemctl start mongod;

[root@localhost student]# mongo

MongoDB shell version: 2.4.6

connecting to: test

Welcome to the MongoDB shell.

For interactive help, type "help".

For more comprehensive documentation, see

http://docs.mongodb.org/

Questions? Try the support group

http://groups.google.com/group/mongodb-user

> show dbs;

local 0.078125GB

> use svh

switched to db svh

> show collections;

> db.createCollection("library");

{ "ok" : 1 }

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

> db.library.insert({"bid":2,"name":"SEPM","author":"pressman"});

>db.library.insert({"bid":3,"name":"CN","author":"forouzan","cost":700});

> db.library.find();

{ "\_id" : ObjectId("495c5b25bd217c3854101d6e"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 700 }

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

{ "\_id" : ObjectId("495c5b25bd217c3854101d6e"), "bid" : 1, "name" : "C++" }

{

"\_id" : ObjectId("495c5b37bd217c3854101d6f"),

"bid" : 2,

"name" : "SEPM",

"author" : "pressman"

}

{

"\_id" : ObjectId("495c5b47bd217c3854101d70"),

"bid" : 3,

"name" : "CN",

"author" : "forouzan",

"cost" : 700

}

> db.library.update({"cost":700},{$set :{"cost":500}})

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

{ "\_id" : ObjectId("495c5b25bd217c3854101d6e"), "bid" : 1, "name" : "C++" }

{

"\_id" : ObjectId("495c5b37bd217c3854101d6f"),

"bid" : 2,

"name" : "SEPM",

"author" : "pressman"

}

{

"\_id" : ObjectId("495c5b47bd217c3854101d70"),

"bid" : 3,

"name" : "CN",

"author" : "forouzan",

"cost" : 500

}

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

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

{

"\_id" : ObjectId("495c5b37bd217c3854101d6f"),

"bid" : 2,

"name" : "SEPM",

"author" : "pressman"

}

{

"\_id" : ObjectId("495c5b47bd217c3854101d70"),

"bid" : 3,

"name" : "CN",

"author" : "forouzan",

"cost" : 500

}

> db.library.count();

2

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

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

{

"\_id" : ObjectId("495c5b37bd217c3854101d6f"),

"bid" : 2,

"name" : "SEPM",

"author" : "pressman"

}

{

"\_id" : ObjectId("495c5b47bd217c3854101d70"),

"bid" : 3,

"name" : "CN",

"author" : "forouzan",

"cost" : 500

}

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

> db.library.find().sort({"bid":1})

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

> db.library.insert({"bid":4,"name":"SEPM","author":"pressman","cost":500});

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

{

"\_id" : ObjectId("495c5b37bd217c3854101d6f"),

"bid" : 2,

"name" : "SEPM",

"author" : "pressman"

}

{

"\_id" : ObjectId("495c5b47bd217c3854101d70"),

"bid" : 3,

"name" : "CN",

"author" : "forouzan",

"cost" : 500

}

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{

"\_id" : ObjectId("495c5f31bd217c3854101d72"),

"bid" : 4,

"name" : "SEPM",

"author" : "pressman",

"cost" : 500

}

> db.library.find().sort({"bid":1})

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

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

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

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

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

> db.library.find({$and:[{"name":"SEPM"},{"cost":500}]}).pretty()

{

"\_id" : ObjectId("495c5f31bd217c3854101d72"),

"bid" : 4,

"name" : "SEPM",

"author" : "pressman",

"cost" : 500

}

> db.library.insert({"bid":5,"name":"C++","cost":800});

> db.library.insert({"bid":6,"name":"dbms","cost":900});

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

{

"\_id" : ObjectId("495c5b37bd217c3854101d6f"),

"bid" : 2,

"name" : "SEPM",

"author" : "pressman"

}

{

"\_id" : ObjectId("495c5b47bd217c3854101d70"),

"bid" : 3,

"name" : "CN",

"author" : "forouzan",

"cost" : 500

}

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{

"\_id" : ObjectId("495c5f31bd217c3854101d72"),

"bid" : 4,

"name" : "SEPM",

"author" : "pressman",

"cost" : 500

}

{

"\_id" : ObjectId("495c664ebd217c3854101d73"),

"bid" : 5,

"name" : "C++",

"cost" : 800

}

{

"\_id" : ObjectId("495c6667bd217c3854101d74"),

"bid" : 6,

"name" : "dbms",

"cost" : 900

}

> db.library.find({$or:[{"cost":800},{"cost":900}]}).pretty()

{

"\_id" : ObjectId("495c664ebd217c3854101d73"),

"bid" : 5,

"name" : "C++",

"cost" : 800

}

{

"\_id" : ObjectId("495c6667bd217c3854101d74"),

"bid" : 6,

"name" : "dbms",

"cost" : 900

}

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

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

{ "\_id" : ObjectId("495c6667bd217c3854101d74"), "bid" : 6, "name" : "dbms", "cost" : 900 }

> db.library.find({$nor:[{"cost":500},{"author":"forouzan"}]})

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

{ "\_id" : ObjectId("495c6667bd217c3854101d74"), "bid" : 6, "name" : "dbms", "cost" : 900 }

> db.library.find({"cost":{$not:{$gt:800}}})

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

> db.library.save({"bid":16,"name":"Java"})

> db.library.find()

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

{ "\_id" : ObjectId("495c6667bd217c3854101d74"), "bid" : 6, "name" : "dbms", "cost" : 900 }

{ "\_id" : ObjectId("495c6e1dbd217c3854101d75"), "bid" : 16, "name" : "Java" }

> db.library.save({"\_id":"495c6e1dbd217c3854101d75","bid":16,"name":"Java"})

> db.library.find()

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

{ "\_id" : ObjectId("495c6667bd217c3854101d74"), "bid" : 6, "name" : "dbms", "cost" : 900 }

{ "\_id" : ObjectId("495c6e1dbd217c3854101d75"), "bid" : 16, "name" : "Java" }

{ "\_id" : "495c6e1dbd217c3854101d75", "bid" : 16, "name" : "Java" }

> db.library.save({"\_id":"495c6e1dbd217c3854101d75"},{"bid":16,"name":"Java"})

> db.library.find()

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

{ "\_id" : ObjectId("495c6667bd217c3854101d74"), "bid" : 6, "name" : "dbms", "cost" : 900 }

{ "\_id" : ObjectId("495c6e1dbd217c3854101d75"), "bid" : 16, "name" : "Java" }

{ "\_id" : "495c6e1dbd217c3854101d75" }

> db.library.save({"\_id":ObjectId("495c6e1dbd217c3854101d75"),"bid":75,"name":"Java"})

> db.library.find()

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

{ "\_id" : ObjectId("495c6667bd217c3854101d74"), "bid" : 6, "name" : "dbms", "cost" : 900 }

{ "\_id" : ObjectId("495c6e1dbd217c3854101d75"), "bid" : 75, "name" : "Java" }

{ "\_id" : "495c6e1dbd217c3854101d75" }

> db.library.save({"\_id":ObjectId("495c6e1dbd217c3854101d71"),"bid":10,"name":"Java"})

> db.library.find()

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 1, "name" : "C++" }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

{ "\_id" : ObjectId("495c6667bd217c3854101d74"), "bid" : 6, "name" : "dbms", "cost" : 900 }

{ "\_id" : ObjectId("495c6e1dbd217c3854101d75"), "bid" : 75, "name" : "Java" }

{ "\_id" : "495c6e1dbd217c3854101d75" }

{ "\_id" : ObjectId("495c6e1dbd217c3854101d71"), "bid" : 10, "name" : "Java" }

> db.library.save({"\_id":ObjectId("495c5c9cbd217c3854101d71"),"bid":12,"name":"Java"})

> db.library.find()

{ "\_id" : ObjectId("495c5b37bd217c3854101d6f"), "bid" : 2, "name" : "SEPM", "author" : "pressman" }

{ "\_id" : ObjectId("495c5b47bd217c3854101d70"), "bid" : 3, "name" : "CN", "author" : "forouzan", "cost" : 500 }

{ "\_id" : ObjectId("495c5c9cbd217c3854101d71"), "bid" : 12, "name" : "Java" }

{ "\_id" : ObjectId("495c5f31bd217c3854101d72"), "bid" : 4, "name" : "SEPM", "author" : "pressman", "cost" : 500 }

{ "\_id" : ObjectId("495c664ebd217c3854101d73"), "bid" : 5, "name" : "C++", "cost" : 800 }

{ "\_id" : ObjectId("495c6667bd217c3854101d74"), "bid" : 6, "name" : "dbms", "cost" : 900 }

{ "\_id" : ObjectId("495c6e1dbd217c3854101d75"), "bid" : 75, "name" : "Java" }

{ "\_id" : "495c6e1dbd217c3854101d75" }

{ "\_id" : ObjectId("495c6e1dbd217c3854101d71"), "bid" : 10, "name" : "Java" }

> db.library.save({"\_id":ObjectId("495c5c9cbd217c3854101d71"),"bid":22,"name":"Java"})