```
use book
witched to db book
db.createCollection("books")
"ok" : 1 }
db.books.save({_id:1,Category:"Machine Learning",BookName:"Machine Learning for Hackers",Author:"Drew Conway",qty:25,price:400,rol:30,pages:350});
riteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 1 })
db.books.save({_id:2,Category:"Business Intelligence",BookName:"Fundamentals of Business Analytics",Author:"Seema Acharya",qty:55,price:500,rol:30,pages:250})
riteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 2 })
db.books.save({_id:3,Category:"Analytics",BookName:"Competing on Analytics",Author:"Thomas",qty:8,price:150,rol:20,pages:150})
riteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 3 })
db.books.save({_id:4,Category:"Visualisation",BookName:"Visualising Data",Author:"Ben Fry",qty:12,price:325,rol:6,pages:450})
riteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 4 })
db.books.save({_id:5,Category:"Web Mining",BookName:"Learning R",Author:"Richard",qty:6,price:850,rol:10,pages:120})
riteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 5 })
db.books.find();
"_id" : 1, "Category" : "Machine Learning", "BookName" : "Machine Learning for Hackers", "Author" : "Drew Conway", "qty" : 25, "price" : 400, "rol" : 30, "pages" : 350 }
"_id" : 2, "Category" : "Business Intelligence", "BookName" : "Fundamentals of Business Analytics", "Author" : "Seema Acharya", "qty" : 55, "price" : 500, "rol" : 30, "pages" : 250 }
"_id" : 3, "Category" : "Analytics", "BookName" : "Competing on Analytics", "Author" : "Thomas", "qty" : 8, "price" : 150, "rol" : 20, "pages" : 150 }
"_id" : 4, "Category" : "Visualisation", "BookName" : "Visualising Data", "Author" : "Ben Fry", "qty" : 12, "price" : 325, "rol" : 6, "pages" : 450 }
"_id" : 5, "Category" : "Web Mining", "BookName" : "Learning R", "Author" : "Richard", "qty" : 6, "price" : 850, "rol" : 10, "pages" : 120 }
```

```
> var map = function(){
...     var category;
...     if(this.pages>=300)
...         category = "Big books"
...     else
...         category = "Small Books"
...     emit(category, {
...         Bookname : this.Bookname});
... }
> var reduce = function(key, values){
...     return values.length
... };
> db.books.mapReduce(map,reduce,{out:"Bookcategory"})
{
        "result" : "Bookcategory",
        "timeMillis" : 1063,
        "counts" : {
                "input" : 5,
                "emit" : 5,
                "reduce" : 2,
                "output" : 2
        },
        "ok" : 1
}
> db.books.find().pretty();
```

```
db.books.find()
"_id" : 1, "Category" : "Machine Learning", "BookName" : "Machine Learning for Hackers", "Author" : "Drew Conway", "qty" : 25, "price" : 400, "rol" : 30, "pages" : 350 }
"_id" : 2, "Category" : "Business Intelligence", "BookName" : "Fundamentals of Business Analytics", "Author" : "Seema Acharya", "qty" : 55, "price" : 500, "rol" : 30, "pages" : 250 }
"_id" : 3, "Category" : "Analytics", "BookName" : "Competing on Analytics", "Author" : "Thomas", "qty" : 8, "price" : 150, "rol" : 20, "pages" : 150 }
"_id" : 4, "Category" : "Visualisation", "BookName" : "Visualising Data", "Author" : "Ben Fry", "qty" : 12, "price" : 325, "rol" : 6, "pages" : 450 }
"_id" : 5, "Category" : "Web Mining", "BookName" : "Learning R", "Author" : "Richard", "qty" : 6, "price" : 850, "rol" : 10, "pages" : 120 }
```