BDA-LAB-4

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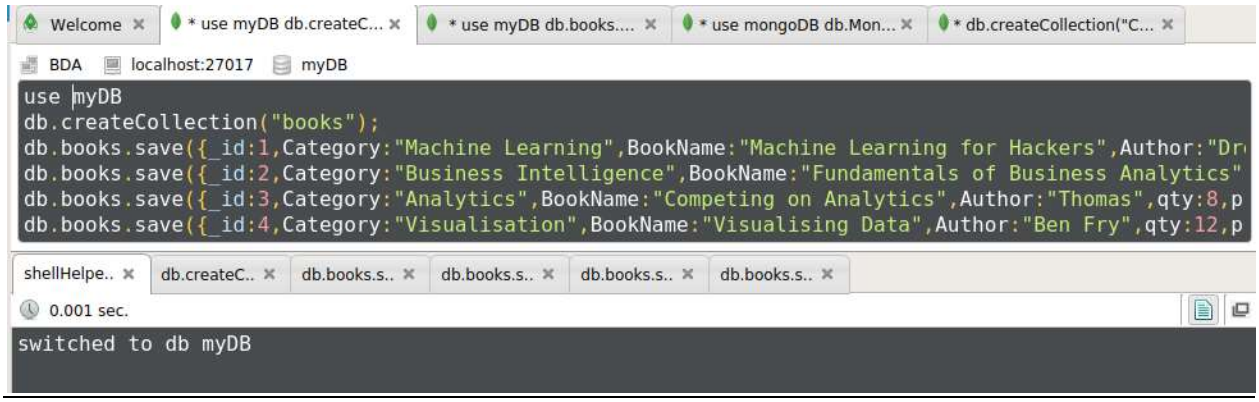
OUTPUT



```
use myDB
db.books.mapReduce(
    function() {
        let key = null, value = null;
        if(this.pages >= 300){
            key = "Big books";
            value = this.pages;
        }
        else{
            key = "Small books";
            value = this.pages;
        }
        emit(key, value);
    },
    function(key, values){
        return values.length;
    },
    {
```

shellHelpe.. × db.books.m.. × db.Book_Re.. ×

Book_Records 0.001 sec.

ey	Value	Type
(1) Big books	{ 2 fields }	Object
_id	Big books	String
value	2.0	Double
(2) Small books	{ 2 fields }	Object
_id	Small books	String
value	2.0	Double

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport -d mongoDB -c MongoDBHandsOn --type csv --headerline  --file "bank-d
ata.csv"
```

BDA localhost:27017 mongoDB

```
use mongoDB
db.MongoDBHandsOn.aggregate([
    { $group : { _id: null, sum: {$sum:"$children"} } }
])
db.MongoDBHandsOn.aggregate([
    { $group : { _id: "Avg of Age", avg: {$avg:"$age"} } }
])
```

shellHelpe.. × db.MongoDB.. × db.MongoDB.. ×

MongoDBHandsOn 0.005 sec. 0 50

Key	Value	Type
(1) Avg of Age	{ 2 fields }	Object
_id	Avg of Age	String
avg	42.395	Double

BDA localhost:27017 test

```
db.createCollection("Country")
db.Country.insert({_id:1,Cities:["Delhi","Banglore"]})
db.Country.insert({_id:2,Cities:["Chennai","Mumbai","Ranchi"]})
db.Country.insert({_id:3,Cities:["Pune","Rajkot","Hyderabad"]})
db.Country.find()
db.Country.find().limit(1)
db.country.find().skip(2).limit(2)
db.Country.update({_id:1},{$push:{population:{Delhi:30,Banglore:45}}})
db.Country.find()
db.Country.update({_id:3},{$pop:{Cities:1}})
db.Country.find()
db.Country.update({Cities:"Chennai"},{$pull:{Cities:'Chennai'}})
db.Country.find()
db.Country.update({_id:1},{$set:{'Cities.2':'Srinagar'}})
db.Country.update({_id:2},{$addToSet:{Cities:"Mysore"}})
db.Country.find()
```

lb.c.. × | db.... × | db.... × | db.... × | db.... × | db.... × | lb.c.. × | db.... × | db.... × | db.... × | db.... × | db.... × | db.... × | db.... × | db.... × | db.... ×

0.024 sec.

Key	Value	Type
(1)	{ 1 field }	Object