Map and Reduce

```
> db.books.updateMany({bno:{$in:[2,3,4]}},{$set:{price:450}});
{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
> db.books.find();
{ "_id" : ObjectId("64060bb2ae45c46dda06b913"), "bno" : 1, "name" : "Java  Ebook", "price" : 500, "t
ype" : "Language" }
{ "_id" : ObjectId("64060bb2ae45c46dda06b914"), "bno" : 2, "name" : "Cool SQL", "type" : "Database",
 "price" : 450 }
{ "_id" : ObjectId("64060bb2ae45c46dda06b915"), "bno" : 3, "name" : "AWS For all", "type" : "Cloud",
 "price" : 450 }
{ "_id" : ObjectId("64060bb2ae45c46dda06b916"), "bno" : 4, "name" : "Azure for everyone", "type" : "
Cloud", "price" : 450 }
{ "_id" : ObjectId("64060bb2ae45c46dda06b917"), "bno" : 5, "name" : "Python Apps", "price" : 800, "t
ype" : "Language" }
{ "_id" : ObjectId("64060bb2ae45c46dda06b918"), "bno" : 6, "name" : "Mongo", "price" : 500, "type" :
 "Database" }
```

Perform the reduce Operation

```
var map = function(){ emit(this.type,this.price)};
var reduce =function(type,price) {return  Array.avg(price)};
db.books.mapReduce(map,reduce,{out:"bookresults"});
"result" : "bookresults", "ok" : 1 }
db.bookresults.find();
"_id" : "Cloud", "value" : 450 }
"_id" : "Language", "value" : 650 }
"_id" : "Database", "value" : 475 }
```