```
> use collage
switched to db collage
> show dbs;
admin
                               0.000GB
config
                               0.000GB
                               0.000GB
local
myDatabase
                              0.000GB
product_detail 0.000GB
> db.createCollection("student")
    "ok" : 1 }
> show collections
student
> db.Student.insertMany([
... { roll: 1, name: "vd", course: "DBMS", marks: 85 },
... { roll: 2, name: "abc", course: "CNS", marks: 75 },
... { roll: 3, name: "xyz", course: "Physics", marks: 90 },
... { roll: 4, name: "pqr", course: "Physics", marks: 70 },
... { roll: 5, name: "adt", course: "Chemistry", marks: 88 }
  ...]);
                ObjectId("68e38364e0f98585036414c5")
                ]
  db.Student.find().pretty();
           "_id" : ObjectId("68e38364e0f98585036414c1"),
"roll" : 1,
"name" : "vd",
"course" : "DBMS",
"marks" : 85
           "_id" : ObjectId("68e38364e0f98585036414c2"),
"roll" : 2,
"name" : "abc",
"course" : "CNS",
"marks" : 75
           "_id" : ObjectId("68e38364e0f98585036414c3"),
"roll" : 3,
"name" : "xyz",
"course" : "Physics",
"marks" : 90
           "_id" : ObjectId("68e38364e0f98585036414c4"),
"roll" : 4,
"name" : "pqr",
"course" : "Physics",
"marks" : 70
```

"roll": 5,
"name": "adt",
"course": "Chemistry",
"marks": 88

```
db.Student.mapReduce(
       function() {
           emit(this.course, { totalMarks: this.marks, count: 1 });
       function(key, values) {
           var result = { totalMarks: 0, count: 0 };
           values.forEach(function(value) {
               result.totalMarks += value.totalMarks;
               result.count += value.count;
           });
           result.averageMarks = result.totalMarks / result.count;
           return result;
           out: "average_marks_by_course"
..);
{ "result" : "average_marks_by_course", "ok" : 1 }
 db.average_marks_by_course.find().pretty();
        "_id" : "CNS",
       "value" : {
               "totalMarks" : 75,
                "count" : 1,
                "averageMarks" : 75
        }
       "_id" : "DBMS",
       "value" : {
                "totalMarks": 85,
                "count" : 1,
                "averageMarks" : 85
       }
        "_id" : "Chemistry",
        "value" : {
               "totalMarks" : 88,
               "count" : 1,
                "averageMarks": 88
        "_id" : "Physics",
        "value" : {
               "totalMarks" : 160,
                "count" : 2,
                "averageMarks": 80
        }
```