

Current Mongosh Log ID: 654a3c657bec4922311c8745

Connecting to: **mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.10.0**

Using MongoDB: 6.0.6

Using Mongosh: 1.10.0

For mongosh info see: <https://docs.mongodb.com/mongodb-shell/>

The server generated these startup warnings when booting
2023-11-03T09:15:42.111+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

test> use Stud

switched to db Stud

Stud> db.studData.insertMany([**{name:"Ram",marks:40,age:20},{name:"Siya",marks:50,age:20},{name:"Swati",marks:30,age:18},{name:"Rahul",marks:50,age:21},{name:"Riya",marks:60,age:21}**]])

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("654a3c907bec4922311c8746"),
    '1': ObjectId("654a3c907bec4922311c8747"),
    '2': ObjectId("654a3c907bec4922311c8748"),
    '3': ObjectId("654a3c907bec4922311c8749"),
    '4': ObjectId("654a3c907bec4922311c874a")
  }
}
```

Stud> db.studData.find()

```
[
  {
    _id: ObjectId("6548f350de074fe79a10a6f7"),
    name: 'Ram',
    marks: 40,
    age: 20
  },
  {
    _id: ObjectId("6548f350de074fe79a10a6f8"),
```

Stud> db.studData.find()

```
[
  {
    _id: ObjectId("6548f350de074fe79a10a6f7"),
    name: 'Ram',
    marks: 40,
    age: 20
  },
  {
    _id: ObjectId("6548f350de074fe79a10a6f8"),
    name: 'Siya',
    marks: 50,
    age: 20
  },
  {
    _id: ObjectId("6548f350de074fe79a10a6f9"),
    name: 'Swati',
    marks: 30,
    age: 18
  },
  {
    _id: ObjectId("6548f350de074fe79a10a6fa"),
    name: 'Rahul',
    marks: 50,
    age: 21
  },
  {
    _id: ObjectId("6548f350de074fe79a10a6fb"),
    name: 'Riya',
    marks: 60,
    age: 21
  },
  {
    _id: ObjectId("654a3c907bec4922311c8746"),
    name: 'Ram',
    marks: 40,
    age: 20
  },
  {
    _id: ObjectId("654a3c907bec4922311c8747"),
```

```

    age: 21
  },
  {
    _id: ObjectId("654a3c907bec4922311c874a"),
    name: 'Riya',
    marks: 60,
    age: 21
  }
]
Stud> var mapfunction=function(){
...   emit(this.age,this.marks)
... }

Stud> var reducefunction=function(key,values){
...   return Array.sum(values)
... }

Stud> db.studData.mapReduce(mapfunction ,reducefunction ,{out:'resultSum'})
DeprecationWarning: Collection.mapReduce() is deprecated. Use an aggregation instead.
See https://docs.mongodb.com/manual/core/map-reduce for details.
{ result: 'resultSum', ok: 1 }
Stud> db.resultSum.find()
[
  { _id: 20, value: 180 },
  { _id: 21, value: 220 },
  { _id: 18, value: 60 }
]
Stud> db.studData.mapReduce(mapfunction ,function(key,values){return Array.avg(values)} ,{out:'resultAvg'})
{ result: 'resultAvg', ok: 1 }
Stud> db.resultAvg.find()
[
  { _id: 18, value: 30 },
  { _id: 20, value: 45 },
  { _id: 21, value: 55 }
]
Stud> |

```