

```

> db.a3.find({}, {_id:0});
{ "rno" : 1, "name" : "abc", "dept" : "comp", "per" : 89 }
{ "rno" : 2, "name" : "abc", "dept" : "comp", "per" : 91 }
{ "rno" : 3, "name" : "abc", "dept" : "it", "per" : 91 }
{ "rno" : 4, "name" : "abc", "dept" : "it", "per" : 91 }
{ "rno" : 5, "name" : "abc", "dept" : "mech", "per" : 92 }
> db.a3.find({}, {_id:0,name:0});
{ "rno" : 1, "dept" : "comp", "per" : 89 }
{ "rno" : 2, "dept" : "comp", "per" : 91 }
{ "rno" : 3, "dept" : "it", "per" : 91 }
{ "rno" : 4, "dept" : "it", "per" : 91 }
{ "rno" : 5, "dept" : "mech", "per" : 92 }
> db.a3.find({rno:3}, {_id:0,name:0});
{ "rno" : 3, "dept" : "it", "per" : 91 }
> db.a3.find({rno:3}, {_id:0,name:0}).explain();
{
  "cursor" : "BasicCursor",
  "isMultiKey" : false,
  "n" : 1,
  "nscannedObjects" : 5,
  "nscanned" : 5,
  "nscannedObjectsAllPlans" : 5,
  "nscannedAllPlans" : 5,
  "scanAndOrder" : false,
  "indexOnly" : false,
  "nYields" : 0,
  "nChunkSkips" : 0,
  "millis" : 0,
  "indexBounds" : {

  },
  "server" : "ACA8FD0C.ipt.aol.com:27017"
}
> db.a3.find({rno:3}, {_id:0,name:0});
{ "rno" : 3, "dept" : "it", "per" : 91 }
> db.a3.find({}, {_id:0,name:0});
{ "rno" : 1, "dept" : "comp", "per" : 89 }
{ "rno" : 2, "dept" : "comp", "per" : 91 }
{ "rno" : 3, "dept" : "it", "per" : 91 }
{ "rno" : 4, "dept" : "it", "per" : 91 }
{ "rno" : 5, "dept" : "mech", "per" : 92 }
> db.a3.ensureIndex({rno:1})
> db.a3.getIndexes();
[
  {
    "v" : 1,
    "key" : {
      "_id" : 1
    },
    "ns" : "TE.a3",
    "name" : "_id_"
  },
  {
    "v" : 1,

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        "key" : {
            "rno" : 1
        },
        "ns" : "TE.a3",
        "name" : "rno_1"
    }
]
> db.a3.find({rno:3},{_id:0,name:0}).explain();
{
    "cursor" : "BtreeCursor rno_1",
    "isMultiKey" : false,
    "n" : 1,
    "nscannedObjects" : 1,
    "nscanned" : 1,
    "nscannedObjectsAllPlans" : 1,
    "nscannedAllPlans" : 1,
    "scanAndOrder" : false,
    "indexOnly" : false,
    "nYields" : 0,
    "nChunkSkips" : 0,
    "millis" : 0,
    "indexBounds" : {
        "rno" : [
            [
                3,
                3
            ]
        ]
    },
    "server" : "ACA8FD0C.ipt.aol.com:27017"
}
> db.a3.ensureIndex({name:1})
> db.a3.getIndexes();
[
    {
        "v" : 1,
        "key" : {
            "_id" : 1
        },
        "ns" : "TE.a3",
        "name" : "_id_"
    },
    {
        "v" : 1,
        "key" : {
            "rno" : 1
        },
        "ns" : "TE.a3",
        "name" : "rno_1"
    },
    {
        "v" : 1,
        "key" : {
            "name" : 1
        }
    }
]

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        },
        "ns" : "TE.a3",
        "name" : "name_1"
    }
]
> db.a3.dropIndex({name:1})
{ "nIndexesWas" : 3, "ok" : 1 }
> db.a3.getIndexes();
[
  {
    "v" : 1,
    "key" : {
      "_id" : 1
    },
    "ns" : "TE.a3",
    "name" : "_id_"
  },
  {
    "v" : 1,
    "key" : {
      "rno" : 1
    },
    "ns" : "TE.a3",
    "name" : "rno_1"
  }
]
> db.a3.find({}, {_id:0,name:0});
{ "rno" : 1, "dept" : "comp", "per" : 89 }
{ "rno" : 2, "dept" : "comp", "per" : 91 }
{ "rno" : 3, "dept" : "it", "per" : 91 }
{ "rno" : 4, "dept" : "it", "per" : 91 }
{ "rno" : 5, "dept" : "mech", "per" : 92 }
> var mf = function(){emit(this.dept,this.per)}
> var rf = function(key,values){return Array.sum(values)}
Fri Aug 31 15:55:43.552 SyntaxError: Unexpected token )
> var rf = function(key,values){return Array.sum(values)}
> db.a3.mapReduce(mf,rf,{out:'t1'})
{
  "result" : "t1",
  "timeMillis" : 67,
  "counts" : {
    "input" : 5,
    "emit" : 5,
    "reduce" : 2,
    "output" : 3
  },
  "ok" : 1,
}
> db.t1.find()
{ "_id" : "comp", "value" : 180 }
{ "_id" : "it", "value" : 182 }
{ "_id" : "mech", "value" : 92 }
>

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