> db.author.save({ "book\_title" : "MongoDB Tutorial", "author\_name" : "aparajita", "status" : "active", "publish\_year": "2016" })

> db.author.save({ "book\_title" : "Software Testing", "author\_name" : "Rajesh", "status" : "active", "publish\_year": "2015" })

WriteResult({ "nInserted" : 1 })

> db.author.save({ "book\_title" : "Node JS Tut", "author\_name" : "Kritika", "status" : "active", "publish\_year": "2017" })

WriteResult({ "nInserted" : 1 })

> db.author.save({ "book\_title" : "PHP & HTML", "author\_name" : "Rajesh", "status" : "passive", "publish\_year": "2016" })

WriteResult({ "nInserted" : 1 })

> db.author.find()

{ "\_id" : ObjectId("5eabe0e163764a265e7a2553"), "book\_title" : "MongoDB Tutorial", "author\_name" : "aparajita", "status" : "active", "publish\_year" : "2016" }

{ "\_id" : ObjectId("5eabe10763764a265e7a2554"), "book\_title" : "Software Testing", "author\_name" : "Rajesh", "status" : "active", "publish\_year" : "2015" }

{ "\_id" : ObjectId("5eabe12a63764a265e7a2555"), "book\_title" : "Node JS Tut", "author\_name" : "Kritika", "status" : "active", "publish\_year" : "2017" }

{ "\_id" : ObjectId("5eabe14b63764a265e7a2556"), "book\_title" : "PHP & HTML", "author\_name" : "Rajesh", "status" : "passive", "publish\_year" : "2016" }

> db.author.mapReduce( function() { emit(this.author\_name,1) }, function(key, values) {return Array.sum(values)}, { query:{status:"active"}, out:"author\_total" } ).find()

{ "\_id" : "Kritika", "value" : 1 }

{ "\_id" : "Rajesh", "value" : 1 }

{ "\_id" : "aparajita", "value" : 1 }

> db.author.save({ "book\_title" : "DBMS R2", "author\_name" : "Rajesh", "status" : "active", "publish\_year": "2016" })

WriteResult({ "nInserted" : 1 })

> db.author.mapReduce( function() { emit(this.author\_name,1) }, function(key, values) {return Array.sum(values)}, { query:{status:"active"}, out:"author\_total" } ).find()

{ "\_id" : "Kritika", "value" : 1 }

{ "\_id" : "Rajesh", "value" : 2 }

{ "\_id" : "aparajita", "value" : 1 }

**Example 2:**

> db.stud.insert({ Name: "Rushi", Marks:80 })

WriteResult({ "nInserted" : 1 })

> db.stud.insert({ Name: "Gayatri", Marks:78 })

WriteResult({ "nInserted" : 1 })

> db.stud.insert({ Name: "Himali", Marks:77 })

WriteResult({ "nInserted" : 1 })

> db.stud.insert({ Name: "Anom", Marks:79 })

WriteResult({ "nInserted" : 1 })

> db.stud.insert({ Name: "Viraj", Marks:75 })

WriteResult({ "nInserted" : 1 })

> db.stud.find()

{ "\_id" : ObjectId("5eabe52230a0a665ce00002b"), "Name" : "Rushi", "Marks" : 80 }

{ "\_id" : ObjectId("5eabe52430a0a665ce00002c"), "Name" : "Gayatri", "Marks" : 78 }

{ "\_id" : ObjectId("5eabe52430a0a665ce00002d"), "Name" : "Himali", "Marks" : 77 }

{ "\_id" : ObjectId("5eabe52530a0a665ce00002e"), "Name" : "Anom", "Marks" : 79 }

{ "\_id" : ObjectId("5eabe52630a0a665ce00002f"), "Name" : "Viraj", "Marks" : 75 }

> db.stud.mapReduce( function(){ emit(this.Name,1)}, function(key, values) {return Array.sum(values)}, {out: "Name\_Total"});

{

"result" : "Name\_Total",

"timeMillis" : 254,

"counts" : {

"input" : 5,

"emit" : 5,

"reduce" : 0,

"output" : 5

},

"ok" : 1

}

> db.stud.mapReduce( function(){ emit(this.Name,1)}, function(key, values) {return Array.sum(values)}, {out: "Name\_Total" }).find()

{ "\_id" : "Anom", "value" : 1 }

{ "\_id" : "Gayatri", "value" : 1 }

{ "\_id" : "Himali", "value" : 1 }

{ "\_id" : "Rushi", "value" : 1 }

{ "\_id" : "Viraj", "value" : 1 }

> db.stud.mapReduce( function() { emit(this.Name,this.Marks) }, function(key, values) {return Array.sum(values)}, {out: "Total\_Marks" }).find()

{ "\_id" : "Anom", "value" : 79 }

{ "\_id" : "Gayatri", "value" : 78 }

{ "\_id" : "Himali", "value" : 77 }

{ "\_id" : "Rushi", "value" : 80 }

{ "\_id" : "Viraj", "value" : 75 }

> db.stud.mapReduce( function(){ emit(this.Name,this.Marks)}, function(key, values) {return Array.sum(values)}, {out: "Name\_Total"}).find().sort({value:1})

{ "\_id" : "Viraj", "value" : 75 }

{ "\_id" : "Himali", "value" : 77 }

{ "\_id" : "Gayatri", "value" : 78 }

{ "\_id" : "Anom", "value" : 79 }

{ "\_id" : "Rushi", "value" : 80 }

> db.stud.mapReduce( function(){ emit(this.Name,1)}, function(key, values) {return Array.sum(values)}, {query:{Marks:{$gt:70}},out: 'Name\_Total'}).find()

{ "\_id" : "Anom", "value" : 1 }

{ "\_id" : "Gayatri", "value" : 1 }

{ "\_id" : "Himali", "value" : 1 }

{ "\_id" : "Rushi", "value" : 1 }

{ "\_id" : "Viraj", "value" : 1 }

> db.stud.insert({ Name: "Raj", Marks:65 })

WriteResult({ "nInserted" : 1 })

> db.stud.mapReduce( function(){ emit(this.Name,1)}, function(key, values) {return Array.sum(values)}, {query:{Marks:{$gt:70}},out: 'Name\_Total'}).find()

{ "\_id" : "Anom", "value" : 1 }

{ "\_id" : "Gayatri", "value" : 1 }

{ "\_id" : "Himali", "value" : 1 }

{ "\_id" : "Rushi", "value" : 1 }

{ "\_id" : "Viraj", "value" : 1 }

>