OUTPUT:

* use Atharva switched to db Atharva
* db.createCollection('Journal');

{ "ok" : 1 }

>db.Journal.insert({'book\_id':1,'book\_name':'JavacdOOP','amt':500,'status':'A vailable'});

WriteResult({ "nInserted" : 1 })

* db.Journal.insert({'book\_id':1,'book\_name':'JavaOOP','amt':400,'status':'Not Available'});

WriteResult({ "nInserted" : 1 }

>db.Journal.insert({'book\_id':1,'book\_name':'Java','amt':300,'s tatus':'Not Available'});

WriteResult({ "nInserted" : 1 })

>db.Journal.insert({'book\_id':2,'book\_name':'Java','amt':300,'s tatus':'Available'});

WriteResult({ "nInserted" : 1 })>

>db.Journal.insert({'book\_id':2,'book\_name':'OPP','amt':200,'st atus':'Available'});

WriteResult({ "nInserted" : 1 })

>db.Journal.insert({'book\_id':2,'book\_name':'C+','amt':200,'status':'Available'}

);

WriteResult({ "nInserted" : 1 })

>db.Journal.insert({'book\_id':3,'book\_name':'C+','amt':150,'status':'Available'}

);

WriteResult({ "nInserted" : 1 })

* db.Journal.insert({'book\_id':3,'book\_name':'C+

+','amt':200,'status':'Not Available'}); WriteResult({ "nInserted" : 1 })

* db.Journal.insert({'book\_id':4,'book\_name':'OPP C+

+','amt':300,'status':'Not Available'}); WriteResult({ "nInserted" : 1 })

* db.Journal.insert({'book\_id':5,'book\_name':'OPP C+

+','amt':400,'status':'Available'}); WriteResult({ "nInserted" : 1 })

* db.Journal.insert({'book\_id':5,'book\_name':'C+

+','amt':400,'status':'Available'}); WriteResult({ "nInserted" : 1 })

* db.Journal.insert({'book\_id':5,'book\_name':'C++ Java','amt':400,'status':'Not Available'}); WriteResult({ "nInserted" : 1 })
* var mapfunction=function(){ emit(this.book\_id,this.amt)};
* var reducefunction=function(key,value){return Array.sum(value);};
* db.Journal.mapReduce(mapfunction,reducefunction,

{'out':'new'});

{

"result" : "new",

"timeMillis" : 49,"counts" : { "input" : 12,

"emit" : 12,

"reduce" : 4,

"output" : 5

},

"ok" : 1

}

* db.Journal.mapReduce(mapfunction,reducefunction,

{'out':'new'}).find().pretty();

{ "\_id" : 1, "value" : 1200 }

{ "\_id" : 2, "value" : 700 }

{ "\_id" : 3, "value" : 350 }

{ "\_id" : 4, "value" : 300 }

{ "\_id" : 5, "value" : 1200 }

>

>

* db.new.find().pretty();

{ "\_id" : 1, "value" : 1200 }

{ "\_id" : 2, "value" : 700 }

{ "\_id" : 3, "value" : 350 }

{ "\_id" : 4, "value" : 300 }

{ "\_id" : 5, "value" : 1200 }