**AssignmentNo:11**

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**RollNo:**CO3B33 **Batch :** B3

**Aim:**

ImplementMapReduceOperationwithsuitableexampleusingMongoDB (base) sspm@sspm:~$ sudosu

[sudo] password for sspm: root@sspm:/home/sspm#mongo

* use teswitchedtodbte
* db.createCollection("college")

{"ok": 1}

* db.college.insert({id:1,name:'Priya',amount:5500,status:'A'}) WriteResult({ "nInserted" : 1 })
* db.college.insert({id:1,name:'Priya',amount:4500,status:'A'}) WriteResult({ "nInserted" : 1 })
* db.college.insert({id:2,name:'Shree',amount:60000,status:'A'}) WriteResult({ "nInserted" : 1 })
* db.college.insert({id:3,name:'Swara',amount:23000,status:'A'}) WriteResult({ "nInserted" : 1 })
* db.college.insert({id:4,name:'Ayush',amount:68000,status:'A'}) WriteResult({ "nInserted" : 1 })
* db.college.insert({id:5,name:'Riya',amount:70000,status:'A'}) WriteResult({ "nInserted" : 1 })
* db.college.find().pretty()

{

"\_id":ObjectId("670cd3f0dc0a5eb62cfab091"), "id" : 1,

"name":"Priya", "amount":5500, "status" : "A"

}

{"\_id":ObjectId("670cd3fddc0a5eb62cfab092"), "id" : 1,

"name":"Priya", "amount":4500, "status" : "A"

}

{

"\_id":ObjectId("670cd41cdc0a5eb62cfab093"), "id" : 2,

"name" : "Shree", "amount":60000, "status" : "A"

}

{

"\_id":ObjectId("670cd447dc0a5eb62cfab094"), "id" : 3,

"name":"Swara", "amount":23000, "status" : "A"

}

{

"\_id":ObjectId("670cd49adc0a5eb62cfab095"),

"id":4,

"name":"Ayush", "amount":68000, "status" : "A"

}

{

"\_id":ObjectId("670cd4dcdc0a5eb62cfab096"), "id" : 5,

"name" : "Riya", "amount":70000, "status" : "A"}

mapReducequery

* db.college.mapReduce(function(){emit(this.id,this.amount);},function(key,values){return Array.sum(values)},{query:{status:"A"},out:"final"})

{

"result" : "final", "timeMillis":509, "counts" : {

"input":6,

"emit": 6,

"reduce": 1,

"output":5

},

"ok":1

}

* db.final.find().pretty()

{"\_id":1,"value":10000}

{"\_id":2,"value":60000}

{"\_id":3,"value":23000}

{"\_id":4,"value":68000}

{"\_id":5,"value":70000}