Assignment No:2(Group C)

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Title: Implement Map reduce example with suitable example.

Batch No: T1 Roll No:06

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>use tejas

switched to db tejas

>db.author.insert({"book\_title":"MongoDB Tutorial",

....."Author\_name":"aparajita",

....."status":"active",

....."publish\_year":"2016"

.....})

WriteResult({"nInserted":1})

>db.author.insert({"book\_title":"Software Testing Tutorial",

....."Author\_name":"aparajita",

....."status":"active",

....."publish\_year":"2015"

.....})

WriteResult({"nInserted":1})

>db.author.insert({"book\_title":"Node.js Tutorial",

....."Author\_name":"aparajita",

....."status":"active",

....."publish\_year":"2016"

.....})

WriteResult({"nInserted":1})

>db.author.insert({"book\_title":"PHP7 Tutorial",

....."Author\_name":"aparajita",

....."status":"active",

....."publish\_year":"2016"

.....})

WriteResult({"nInserted":1})

> db.author.find()

{ "\_id" : ObjectId("59333022523476d644344db9"), "book\_title" : "MongoDB Tutorial", "author\_name" : "aparajita", "status" : "active", "publish\_year" : "2016" }

{ "\_id" : ObjectId("59333031523476d644344dba"), "book\_title" : "Software Testing Tutorial", "author\_name" : "aparajita", "status" : "active", "publish\_year" : "2015" }

{ "\_id" : ObjectId("5933303e523476d644344dbb"), "book\_title" : "Node.js Tutorial", "author\_name" : "aparajita", "status" : "active", "publish\_year" : "2016" }

{ "\_id" : ObjectId("5933304b523476d644344dbc"), "book\_title" : "PHP7 Tutorial", "author\_name" : "aparajita", "status" : "active", "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"

...    }

... )

{

        "result" : "author\_total",

        "timeMillis" : 695,

        "counts" : {

                "input" : 4,

                "emit" : 4,

"reduce" : 1,

                "output" : 1

        },

        "ok" : 1

}

>

Output:

> db.author.mapReduce(

...    function() { emit(this.author\_name,1); },

...

...    function(key, values) {return Array.sum(values)}, {

...       query:{status:"active"},

...       out:"author\_total"

...    }

... ).find()

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

>