Assignment No:4C

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Q.Perform Map-reduce Opertation on Order Collection

> use order

switched to db order

> db.createCollection("orders")

{ "ok" : 1 }

> db.orders.insert({cid:1,name:"Vishal",order\_date:new Date("Oct 05,2018"),statu

s:"A",order\_price:10000})

WriteResult({ "nInserted" : 1 })

> db.orders.insert({cid:1,name:"Vishal",order\_date:new Date("sept 05,2018"),stat

us:"A",order\_price:1000})

WriteResult({ "nInserted" : 1 })

> db.orders.insert({cid:2,name:"Suyash",order\_date:new Date("sept 28,2017"),stat

us:"B",order\_price:5000})

WriteResult({ "nInserted" : 1 })

> db.orders.insert({cid:1,name:"Vishal",order\_date:new Date("Dec 08,2018"),statu

s:"B",order\_price:3000})

WriteResult({ "nInserted" : 1 })

> db.orders.insert({cid:3,name:"Akshay",order\_date:new Date("Nov 12,2018"),statu

s:"A",order\_price:9000})

WriteResult({ "nInserted" : 1 })

> db.orders.insert({cid:3,name:"Akshay",order\_date:new Date("Feb 14,2018"),statu

s:"A",order\_price:25000})

WriteResult({ "nInserted" : 1 })

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Q.Display the total bill amount for each customer based on number of orders.

> var mapFuntion1 = function(){emit(this.cid,this.order\_price);}

> var reduceFunction1=function(keyid,values){return Array.sum(values);}

> db.orders.mapReduce(mapFuntion1,reduceFunction1,{out:"map\_reduce" } )

{

"result" : "map\_reduce",

"timeMillis" : 38,

"counts" : {

"input" : 6,

"emit" : 6,

"reduce" : 2,

"output" : 3

},

"ok" : 1

}

> db.map\_reduce.find();

{ "\_id" : 1, "value" : 14000 }

{ "\_id" : 2, "value" : 5000 }

{ "\_id" : 3, "value" : 34000 }

> db.orders.find().pretty();

{

"\_id" : ObjectId("5b8f98824401d08b98efd10c"),

"cid" : 1,

"name" : "Vishal",

"order\_date" : ISODate("2018-10-04T18:30:00Z"),

"status" : "A",

"order\_price" : 10000

}

{

"\_id" : ObjectId("5b8f98af4401d08b98efd10d"),

"cid" : 1,

"name" : "Vishal",

"order\_date" : ISODate("2018-09-04T18:30:00Z"),

"status" : "A",

"order\_price" : 1000

}

{

"\_id" : ObjectId("5b8f98e74401d08b98efd10e"),

"cid" : 2,

"name" : "Suyash",

"order\_date" : ISODate("2017-09-27T18:30:00Z"),

"status" : "B",

"order\_price" : 5000

}

{

"\_id" : ObjectId("5b8f99134401d08b98efd10f"),

"cid" : 1,

"name" : "Vishal",

"order\_date" : ISODate("2018-12-07T18:30:00Z"),

"status" : "B",

"order\_price" : 3000

}

{

"\_id" : ObjectId("5b8f99824401d08b98efd110"),

"cid" : 3,

"name" : "Akshay",

"order\_date" : ISODate("2018-11-11T18:30:00Z"),

"status" : "A",

"order\_price" : 9000

}

{

"\_id" : ObjectId("5b8f99eb4401d08b98efd111"),

"cid" : 3,

"name" : "Akshay",

"order\_date" : ISODate("2018-02-13T18:30:00Z"),

"status" : "A",

"order\_price" : 25000

}

>