**6 : MapReduce**

f2> use f3

switched to db f3

f3> db.retail.insertMany([{cid : 1,cname : 'clay',amt : 234,pname : 'soap'},{cid : 2,cname : 'hannah',amt : 345,pname : 'oil'},{cid : 1,cname : 'clay',amt : 665,pname : 450},{cid : 3,cname : 'jessica',amt : 276,pname : 'nuts'},{cid : 5,cname : 'ankit',amt : 770,pname : 'rice'},{cid : 3,cname : 'jessica',amt : 390,pname : 'wheat'}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId("6544e815ce0bc52942e3092c"),

'1': ObjectId("6544e815ce0bc52942e3092d"),

'2': ObjectId("6544e815ce0bc52942e3092e"),

'3': ObjectId("6544e815ce0bc52942e3092f"),

'4': ObjectId("6544e815ce0bc52942e30930"),

'5': ObjectId("6544e815ce0bc52942e30931")

}

}

f3> db.retail.find()

[

{

\_id: ObjectId("6544e815ce0bc52942e3092c"),

cid: 1,

cname: 'clay',

amt: 234,

pname: 'soap'

},

{

\_id: ObjectId("6544e815ce0bc52942e3092d"),

cid: 2,

cname: 'hannah',

amt: 345,

pname: 'oil'

},

{

\_id: ObjectId("6544e815ce0bc52942e3092e"),

cid: 1,

cname: 'clay',

amt: 665,

pname: 450

},

{

\_id: ObjectId("6544e815ce0bc52942e3092f"),

cid: 3,

cname: 'jessica',

amt: 276,

pname: 'nuts'

},

{

\_id: ObjectId("6544e815ce0bc52942e30930"),

cid: 5,

cname: 'ankit',

amt: 770,

pname: 'rice'

},

{

\_id: ObjectId("6544e815ce0bc52942e30931"),

cid: 3,

cname: 'jessica',

amt: 390,

pname: 'wheat'

}

]

f3> var Mapfunction = function(){emit(this.cid,this.amt)}

f3> var Reducefunction = function(key,values){return Array.sum(values)}

f3> db.retail.mapReduce(Mapfunction,Reducefunction,{'out' : 'nretail'})

{ result: 'nretail', ok: 1 }

f3> db.nretail.find()

[

{ \_id: 2, value: 345 },

{ \_id: 3, value: 666 },

{ \_id: 5, value: 770 },

{ \_id: 1, value: 899 }

]

f3>