use assignment1

db.createCollection("books")

db.books.save({\_id:1,Category:"Machine Learning",BookName:"Machine Learning for Hackers",Author:"Drew Conway",qty:25,price:400,rol:30,pages:350})

db.books.save({\_id:2,Category:"Business Intelligence",BookName:"Fundamentals of Business Analytics",Author:"Seema Acharya",qty:55,price:500,rol:30,pages:250})

db.books.save({\_id:3,Category:"Analytics",BookName:"Competing on Analytics",Author:"Thomas",qty:8,price:150,rol:20,pages:150})

db.books.save({\_id:4,Category:"Visualisation",BookName:"Visualising Data",Author:"Ben Fry",qty:12,price:325,rol:6,pages:450})

db.books.save({\_id:5,Category:"Web Mining",BookName:"Learning R",Author:"Richard",qty:6,price:850,rol:10,pages:120})

db.books.find()

var map = function(){

var category;

if(this.pages>=300)

category = "Big books"

else

category = "Small Books"

emit(category, {

Bookname : this.Bookname});

}

var reduce = function(key, values){

return values.length

};

db.books.mapReduce(map, reduce, {out: "Bookcategory"})

db.Bookcategory.find()

4(b)

show dbs

use test

db.data.find()

db.data.aggregate([

{ $group : { \_id: null, sum: {$sum:"$age"} } }

])

db.data.aggregate([

{ $group : { \_id: "Avg of income", avg: {$avg:"$income"} } }

])

array

use arr

db.createCollection("Country")

db.Country.insert({\_id:1,Cities:["Bangalore","Chennai"]})

db.Country.insert({\_id:2,Cities:["Hyderabad","Mumbai","Delhi"]})

db.Country.insert({\_id:3,Cities:["rajamundry","jamshedpur","Jodhpur"]})

db.Country.find()

db.Country.update({\_id:1},{$push:{population:{Bangalore:30,Chennai:45}}})

db.Country.find()

db.Country.update({\_id:3},{$pop:{Cities:1}})

db.Country.find()

db.Country.update({Cities:"Hyderabad"},{$pull:{Cities:'Hyderabad'}})

db.Country.find()

db.Country.update({\_id:1},{$set:{'Cities.2':'Srinagar'}})

db.Country.update({\_id:2},{$addToSet:{Cities:"Trichi"}})

db.Country.find()