3) **How many “Chinese” (cuisine) restaurants are in “Queens” (borough)?**

db.restaurants.countDocuments( { $and: [ { cuisine: { $eq: "Chinese" } }, { borough: {$eq:"Queens"} } ] } )

result: 728

**What is the \_id of the restaurant which has the grade with the highest ever score?**

db.restaurants.aggregate({$unwind : "$grades"},{$group: {\_id: '$\_id', score: {$max: '$grades.score'}}},{ $sort : { score : -1 }}, { $limit: 1 } )

result: 131

**Add a grade { grade: "A", score: 7, date: ISODate() } to every restaurant in “Manhattan” (borough).**

db.restaurants.updateMany({ "borough" : "Manhattan" }, { $push: { grades: { "grade": "A", "score": 7, "date": ISODate() } } })

**What are the names of the restaurants which have a grade at index 8 with score less then 7? Use projection to include only names without \_id.**

db.restaurants.find({ "grades.score" : { $lt: 7 }}, { "borough":null,restaurant\_id:null, grades:null, cuisine:null, address:null, \_id: 0 }).skip(7).limit(1)

result: { "name" : "Steve Chu'S Deli & Grocery" }

**What are \_id and borough of “Seafood” (cuisine) restaurants which received at least one “B” grade in period from 2014-02-01 to 2014-03-01? Use projection to include only \_id and borough.**

db.restaurants.find({"cuisine" : "Seafood", "grades":{ $elemMatch: { grade: "B" , date: {$gte:ISODate("2014-02-01T00:00:00Z"),$lte:ISODate("2014-03-01T00:00:00Z")}}}}, { restaurant\_id:null, grades:null, cuisine:null, address:null, name: null })

