1. MongoDB is installed.

2. Successfully imported restaurants.json collection :

2018-12-12T14:14:06.554+0300 connected to: localhost

2018-12-12T14:14:07.088+0300 imported 25359 documents

3.

1) Query :

**db.restaurants.find({"borough":"Queens", "cuisine":"Chinese" })**

**.projection({})**

**.sort({ \_id: -1 })**

**.count()**

Result : **728**

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

Query :

db.restaurants.aggregate(

[

{$unwind : "$grades"},

{

"$group" : {

"\_id" : "$\_id",

"maxGrade" : {"$max" : "$grades.score"}

}

},

{ $sort : { "maxGrade": -1} },

{$limit: 1}

]

)

Result: Id is **5c10ed7e55da612eba9ece61.**

{

"\_id" : ObjectId("5c10ed7e55da612eba9ece61"),

"maxGrade" : NumberInt("131")

}

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

Query :

db.restaurants.update(

{"borough":"Manhattan"},

{ $push: { grades: { grade: "A", score: 7, date: ISODate() } }})

Result :

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

4) 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.

Query :

{

"name" : "Pure Food"

}

Result :

**"Silver Krust West Indian Restaurant", "Pure Food"**