**Alexandre Buisset  
Introduction au NOSQL (TP noté)**

**Exercice 1 :**  
1) db.createCollection('restaurants');  
Une image contenant texte

Description générée automatiquement  
  
2)   
db.restaurants.insert({ "borough": "Bronx", "cuisine": "Bakery", "grades": [ { "date": "06/09/2021" , "grade": "A", "score": 2 }, { "date": "16/10/2021", "grade": "A", "score": 6 } ], "name": "Morris Park Bake Shop" });  
  
3) db.restaurants.find().pretty();

4)   
db.restaurants.update({\_id: ObjectId("Mon object ID")}, {$set : { "address": { "building": "1007", "coord": [ -73.856077, 40.848447 ], "street": "Morris Park Ave", "zipcode": "10462" }}})

db.restaurants.update({\_id: ObjectId("Mon object ID”)}, {$push : { grades: { "date": "25/10/2021", "grade": "A", "score": 10 }}});  
db.restaurants.update({\_id: ObjectId("Mon object ID ")}, {$push : { grades: { "date": "01/12/2021", "grade": "A", "score": 9 }}});

db.restaurants.update({\_id: ObjectId("Mon object ID ")}, {$push : { grades: { "date": "26/01/2022", "grade": "B", "score": 14 }}});

Une image contenant texte

Description générée automatiquement  
  
5) db.restaurants.find({"address.zipcode" : "10462"});

Une image contenant texte

Description générée automatiquement

6) db.restaurants.find({"grades.date": {$regex: "2022"}});

S7) db.restaurants.insert({"address": {"building": "351", "coord": [-73.98513559999999, 40.7676919], "street": "West 57 Street", "zipcode": "10019"}, "borough": "Manhattan", "cuisine": "Irish", "grades": [{"date": {"$date": 1409961600000}, "grade": "A", "score": 2}, {"date": {"$date": 1374451200000}, "grade": "A", "score": 11}, {"date": {"$date": 1343692800000}, "grade": "A", "score": 12}, {"date": {"$date": 1325116800000}, "grade": "A", "score": 12}], "name": "Dj Reynolds Pub And Restaurant", "restaurant\_id": "30191841"});

8) db.restaurants.find({name:/^M/}).pretty()

9) db.restaurants.find().count()

10) db.restaurants.find({cuisine: "Irish"}).pretty()

11) db.restaurants.find().sort({name:1}).pretty()