3rd Assignment:

6.Show databases

>**show dbs**

7.Use restaurants for collection

> **use restaurants**

8. Print entire json data

>**db.addresses.find()**

Exercise Questions:

**1.**

>show collections

> db.addresses.find()

**2.**

>db.addresses.find({},{restaurant\_id:1,name:1,borough:1,cuisine:1})

**3.**

> db.addresses.find({},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0})

>db.addresses.find({},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0}).pretty()

**4.**

>db.addresses.find({},{restaurant\_id:1,name:1,borough:1,"address.zipcode":1,\_id:0})

**5.**

> db.addresses.find({"borough":"Bronx"}).limit(5)

**6.**

> db.addresses.find({"borough":"Bronx"})

**7.**

> db.addresses.find({"borough":"Bronx"}).skip(5).limit(5)

**8.**

> db.addresses.find({grades:{$elemMatch:{"score":{$gt:90}}}})

**9.**

> db.addresses.find({grades:{$elemMatch:{"score":{$gt:80,$lt:100}}}})

**10.**

>db.addresses.find({"address.coord" : {$lt : -95.754168}})

**11**

> db.addresses.find( {$and:[{"cuisine" : {$ne :"American "}},{"grades.score" : {$gt : 70}},{"address.coord" : {$lt : -65.754168}} ]})

**12.**

> db.addresses.find({"cuisine" : {$ne : "American "},"grades.score" :{$gt: 70},"address.coord" : {$lt : -65.754168} })

**13.**

>db.addresses.find({"cuisine":{$ne:"American"},"grades.grade":"A","borough":{$ne:"Brooklyn"}}).sort({"cuisine":-1})

**14.**

> db.addresses.find( {name: /^Wil/}, { "restaurant\_id" : 1, "name":1,"borough":1, "cuisine" :1 } )

**15.**

> db.addresses.find( {name: /ces$/}, { "restaurant\_id" : 1, "name":1,"borough":1, "cuisine" :1 } )

**16.**

> db.addresses.find( {name: /.\*Reg.\*/}, { "restaurant\_id" : 1, "name":1,"borough":1, "cuisine" :1 } )

**17.**

> db.addresses.find({ "borough": "Bronx" , $or : [ { "cuisine" : "American " },{ "cuisine" : "Chinese" }]})

**18.**

>db.addresses.find({"borough":{$in:["Staten Island","Queens","Bronx","Brooklyn"]}},

{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

**19.**

> db.addresses.find({"borough" :{$nin :["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

**20.**

> db.addresses.find({"grades.score" :{ $not: {$gt : 10}}},{"restaurant\_id":1,"name":1,

"borough":1,"cuisine":1})

**21.**

> db.addresses.find({$or:[{name:/^Wil/},{"$and":[{"cuisine" :{$ne:"American "}},{"cuisine" :{$ne:"Chinees"}}]}]},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine":1})

**22.**

> db.addresses.find({"grades.date": ISODate("2014-08-11T00:00:00Z"),"grades.grade":"A","grades.score" : 11},{"restaurant\_id" : 1,"name":1,"grades":1})

**23.**

> db.addresses.find({ "grades.1.date": ISODate("2014-08-11T00:00:00Z"),"grades.1.grade":"A","grades.1.score" : 9},{"restaurant\_id" : 1,"name":1,"grades":1})

**24.**

> db.addresses.find({"address.coord.1": {$gt : 42, $lte : 52}},{"restaurant\_id" : 1,"name":1,"address":1,"coord":1})

**25.**

> db.addresses.find().sort({"name":1})

**26.**

> db.addresses.find().sort({"name":-1})

**27.**

> db.addresses.find().sort({"cuisine":1,"borough" : -1})

**28.**

> db.addresses.find({"address.street" :{ $exists : true }})

**29.**

> db.addresses.find({"address.coord" :{$type : 1}})

**30.**

> db.addresses.find({"grades.score" :{$mod : [7,0]}},{"restaurant\_id" : 1,"name":1,"grades":1})

**31.**

> db.addresses.find({ name :{ $regex : ".\*mon.\*", $options: "i" }},

{"name":1,"borough":1,"address.coord":1,"cuisine" :1})

**32.**

> db.addresses.find({ name :{ $regex : /^Mad/i,}},{"name":1,"borough":1,"address.coord":1,"cuisine" :1})