ASSIGNMENT 3

*Complex Queries-*

1. db.restaurants.find()
2. db.restaurants.find({},{"restaurant\_id":1,"name":1,"borough":1,"cuisine" :1})
3. db.restaurants.find({},{"restaurant\_id":1,"name":1,"borough":1,"cuisine" :1,"\_id":0})
4. db.restaurants.find({},{"restaurant\_id":1,"name":1,"borough":1,"address.zipcode" :1,"\_id":0})
5. db.restaurants.find({"borough": "Bronx"}).limit(5)
6. db.restaurants.find({"borough": "Bronx"})
7. db.restaurants.find({"borough": "Bronx"}).skip(5).limit(5)
8. db.restaurants.find({grades : { $elemMatch:{"score":{$gt : 90}}}})
9. db.restaurants.find({grades : { $elemMatch:{"score":{$gt : 80 ,$lt :100}}}})
10. db.restaurants.find({"address.coord":{$lt:-95.754168 }})
11. db.restaurants.find({$and:[{"cuisine":{$ne:"American"}},{"grades.score":{$gt:70}},{"address.coord" : {$lt:-65.754168}}]})
12. db.restaurants.find({"cuisine":{$ne:"American "}, "grades.score":{$gt:70},"address.coord":{$lt:-65.754168}})
13. db.restaurants.find({"cuisine" : {$ne : "American "}, "grades.grade":"A","borough":{$ne:"Brooklyn"}} ).sort({"cuisine":-1})
14. db.restaurants.find({name: /^Wil/},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine":1})
15. db.restaurants.find({name:/ces$/},{"restaurant\_id" :1,"name":1,"borough":1,"cuisine" :1})
16. db.restaurants.find({"name":.\*Reg.\*/},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine" :1})
17. db.restaurants.find({"borough": "Bronx" ,$or:[{ "cuisine":"American" },{ "cuisine":"Chinese" }]})
18. db.restaurants.find({"borough" :{$in :["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine" :1})
19. db.restaurants.find({"borough" :{$nin :["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine" :1})
20. db.restaurants.find({"grades.score":{$not:{$gt:10}} },{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine":1 })
21. db.restaurants.find({$or: [{name: /^Wil/},{"$and": [ {"cuisine" : {$ne :"American "}},{"cuisine":{$ne :"Chinees"}}]}]},{"restaurant\_id":1,"name":1,"borough":1,"cuisine" :1})
22. db.restaurants.find({"grades.date":ISODate("2014-08-11T00:00:00Z"),"grades.grade":"A","grades.score" : 11}, {"restaurant\_id" : 1,"name":1,"grades":1})
23. db.restaurants.find( {"grades.1.date": ISODate("2014-08-11T00:00:00Z"), "grades.1.grade":"A","grades.1.score" : 9 }, {"restaurant\_id" : 1,"name":1,"grades":1} )
24. db.restaurants.find({"address.coord.1": {$gt:42, $lte : 52}},{"restaurant\_id":1,"name":1,"address":1,"coord":1 })
25. db.restaurants.find().sort({"name":1})
26. db.restaurants.find().sort({"name":-1})
27. db.restaurants.find().sort({"cuisine":1,"borough" :-1,})
28. db.restaurants.find({"address.street" :{ $exists : true }})
29. db.restaurants.find({"address.coord" :{$type : 1}})
30. db.restaurants.find({"grades.score" :{$mod : [7,0]} },{"restaurant\_id" : 1,"name":1,"grades":1})
31. db.restaurants.find({name:{$regex : "mon.\*" ,$options: "i" }},{"name":1,"borough":1, "address.coord":1,"cuisine" :1})
32. db.restaurants.find({ name:{$regex : /^Mad/i, } },{"name":1,"borough":1,"address.coord":1,"cuisine" :1 })