**ASSIGNMENT 3**

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.score”:{$gt:90}})

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

13.db.restaurants.find({ $and:[ {"cuisine":{$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.\*"} }, { "name":1, "borough":1, "address.coord":1, "cuisine" :1 } )

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