Assignment 3:

1. db.addresses.find({}).pretty()
2. db.addresses.find({} ,{ "restaurant_id":1,"name":1,"borough":1,"cuisine":1 }).pretty()
3. 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}).pretty()
5. db.addresses.find({"borough":"Bronx"}).limit(5).pretty()
6. db.addresses.find({"borough":"Bronx"}).pretty()
7. db.addresses.find({"borough":"Bronx"}).skip(5).limit(5).pretty()
8. db.addresses.find({"grades.score":{$gt:90}}).pretty()
9. db.addresses.find({ $and: [{"grades.score":{$lt:100}}, {"grades.score":{$gt:80}}] }).pretty()
10. db.addresses.find({"address.coord.0":{$lt:-95.754168}}).pretty()
11. db.addresses.find({ "cuisine":{$ne:"American"},"grades.score":{$gt:70},"address.coord.0":{$lt:-65.754168}}).pretty()
12. db.addresses.find({ "cuisine":{$ne:"American"},"grades.score":{$gt:70},"address.coord.1":{$lt:-65.754168}}).pretty()
13. db.addresses.find({ $and: [{"cuisine":{$ne:"American"}}, {"grades.grade":"A"}, {"borough":{$ne:"Brooklyn"}}]}).sort({"cuisine":-1}).pretty()
14. db.addresses.find({ "name":{$regex: /^Wil.*/}}, ... {"_id":0,"restaurant_id":1,"name":1,"borough":1,"cuisine":1}).pretty()
15. db.addresses.find({ "name":{$regex:/.*ces$/}}, {"_id":0,"restaurant_id":1,"name":1,"borough":1,"cuisine":1}).pretty()
16. db.addresses.find({ "name": {$regex:/Reg/}}, {_id:0,restaurant_id:1,name:1,borough:1,cuisine:1}).pretty()
17. db.addresses.find({borough:"Bronx",$or:[{cuisine:"American"},{cuisine:"Chinese"}]})
18. db.addresses.find({ $or: [{borough:"Staten Island"},{borough:"Queens"},{borough:"Bronx"},{borough:"Brooklyn"}] },{_id:0,restaurant_id:1,name:1,borough:1,cuisine:1 })
19. db.addresses.find({ borough:{$nin:["Staten Island","Queens","Bronx","Brooklyn"]}},{_id:0,restaurant_id:1,name:1,borough:1,cuisine:1 }).pretty()
20. db.addresses.find({ "grades.score":{$lte:10}},{_id:0,restaurant_id:1,name:1,borough:1,cuisine:1 })
21. db.address.find({$or[{name: /^Wil/}, {"$and":[{"cuisine" : {$ne :"American "}}, {"cuisine" :{$ne :"Chinees"}}]}]},{"restaurant_id" : 1,"name":1,"borough":1,"cuisine" :1})
22. db.addresses.find({ "grades.grade":"A","grades.date": ISODate("2014-08-11T00:00:00Z"),"grades.score":11}, {_id:0, restaurants_id:1,name:1,grades:1}).pretty()
23. db.addresses.find({ "grades.1.grade":"A","grades.1.date": ISODate("2014-08-11T00:00:00Z"),"grades.1.score":9}, {_id:0, restaurants_id:1,name:1,grades:1}).pretty()
24. db.addresses.find({ $and:[{"address.coord.1":{$gt:42}}, {"address.coord.1":{$lte:52}}]},{_id:0,restaurant_id:1,name:1,address:1 }).pretty()

25. db.addresses.find({},{_id:0,name:1}).sort({name:1})
26. db.addresses.find({},{_id:0,name:1}).sort({name:-1})
27. db.addresses.find({},{_id:0,cuisine:1,borough:1}).sort({cuisine:1,borough:-1})
28. db.addresses.find({ "address.street": {$exists: false}}).pretty()
29. db.addresses.find({"address.coord":{$type:"double"}}).pretty()
30. db.addresses.find({
    "grades":{$eleMatch:{"score":{$mod:[7,0]}}}},{_id:0,restaurant_id:1,name:1,grades:1}).pretty()
31. db.addresses.find({name:{$regex:/mon/}},{_id:0,cuisine:1,borough:1,name:1,"address.coord":1}
)
32. db.addresses.find({name:{$regex:/^Mad.*/}},{_id:0,cuisine:1,borough:1,name:1,"address.coord"
    :1})