Exercise Questions

1. db.addresses.find()

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

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

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

**OR**

db.addresses.aggregate([{$project:{\_id:0,restaurant\_id:1,name:1,borough:1,zipcode:"$address.zipcode"}}])

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

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

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

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

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

10. db.addresses.find({"address.coord.1":{$lt: -95.754168}})

11. db.addresses.aggregate([{$match:{$and:[{cuisine:{$ne:"American "}},

{"grades.score":{$gt:70}},

{"address.coord.1":{$lt: -65.754168}}]}}])

12. db.addresses.aggregate([{$match:{$and:[{cuisine:{$ne:"American "}},

{"grades.score":{$gt:70}},

{"address.coord.0":{$lt: -65.754168}}]}}])

13. db.addresses.aggregate([{$match:{$and:[{cuisine:{$ne:"American "}},

{"grades.grade":"A"},

{borough:{$ne:"Brooklyn"}}]}},{$sort:{cuisine:-1}}])

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

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

16. db.addresses.find({name:{$regex:/Reg/}},{restaurant\_id:1,name:1,borough:1,cuisine:1})

17. db.addresses.aggregate([{$match:{$and:[{borough:"Bronx"},

{$or:[{cuisine:"American "},{cuisine:"Chinese"}]}]}}])

18. db.addresses.aggregate([{$match:{$or:[{borough:"Bronx"},

{borough:"Staten Island"},{borough:"Queens"},{borough:"Brooklyn"}]}},

{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1}}])

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

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

20. db.addresses.find({grades:{elemMatch:{score:{$lte:10}}}},{restaurant\_id:1,name:1,borough:1,cuisine:1})

21. db.addresses.find({$or:[{cuisine:{$nin:["American ","Chinese"]}},{name:{$regex:/^Wil/}}]},

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

22. db.addresses.find({grades:{$elemMatch:{$and:[{grade:"A"},{score:11},

{date:ISODate("2014-08-11T00:00:00Z")}]}}},

{restaurant\_id:1,name:1,grades:1})

23. db.addresses.find({"grades.1":{$elemMatch:{$and:[{grade:"A"},{score:9},

{date:ISODate("2014-08-11T00:00:00Z")}]}}},

{restaurant\_id:1,name:1,grades:1})

24. db.addresses.find({$and:[{"address.coord.1":{$gt:42}},{"address.coord.1":{$lte:52}}]},

{restaurant\_id:1,name:1,address:1})

25. db.addresses.aggregate([{$sort:{name:1}}])

26. db.addresses.aggregate([{$sort:{name:-1}}])

27. db.addresses.aggregate([{$sort:{cuisine:1,borough:-1}}])

28. db.addresses.find({"address.street":{$exists:false}})

29. db.addresses.find({"address.coord":{$type:"double"}})

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

31. db.addresses.find({name:{$regex:/mon/}},{name:1,borough:1,"address.coord":1,cuisine:1})

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