1.

db.addresses.find()

2. db.addresses.aggregate([{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1}}])

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

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

5. db.addresses.aggregate([{$match:{borough:"Bronx"}},{$limit:5}])

6. db.addresses.aggregate([{$match:{borough:"Bronx"}}])

7. db.addresses.aggregate([{$match:{borough:"Bronx"}},{$skip:5},{$limit:5}])

8. db.addresses.aggregate([{$unwind:"$grades"},{$group:{\_id:"$\_id",totalscore:{$sum:"$grades.score"}}},{$match:{"totalscore":{$gt:90}}}])

9. db.addresses.aggregate([{$unwind:"$grades"},{$group:{\_id:"$\_id",totalscore:{$sum:"$grades.score"}}},{$match:{"totalscore":{$gt:80,$lt:90}}}])

10. db.addresses.aggregate([{$match:{"address.coord.0":{$lt:-95.754168}}}])

11. db.addresses.aggregate([{$match:{cuisine:{$ne:"American "},"address.coord.0":{$lt:-65.754168}}},{$unwind:"$grades"},{$group:{\_id:"$\_id",totalscore:{$sum:"$grades.score"}}},{$match:{"totalscore":{$gt:70}}}])

12. db.addresses.aggregate([{$match:{cuisine:{$ne:"American "},"address.coord.1":{$lt:-65.754168}}},{$unwind:"$grades"},{$group:{\_id:"$\_id",totalscore:{$sum:"$grades.score"}}},{$match:{"totalscore":{$gt:70}}}])

13. db.addresses.aggregate([{$match:{cuisine:{$ne:"American "},"grades.grade":"A",borough:{$ne:"Brooklyn"}}},{$sort:{cuisine:-1}}])

14. db.addresses.aggregate([{$match:{name:{"$regex":/^Wil/}}},{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1}}])

15. db.addresses.aggregate([{$match:{name:{"$regex":/ces$/}}},{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1}}])

16.

db.addresses.aggregate([{$match:{name:{"$regex":/Reg/}}},{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1}}])

17. db.addresses.aggregate([{$match:{borough:"Bronx",$or:[{cuisine:"American "},{cuisine:"Chinese"}]}}])

18. db.addresses.aggregate([{$match:{$or:[{borough:"Bronx"},{borough:"Brooklyn"},{borough:"Staten Island"},{borough:"Queens"}]}},{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1}}])

19. db.addresses.aggregate([{$match:{$nor:[{borough:"Bronx"},{borough:"Brooklyn"},{borough:"Staten Island"},{borough:"Queens"}]}},{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1}}])

20. db.addresses.aggregate([{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1,score:{$sum:"$grades.score"}}},{$match:{score:{$gt:10}}}])

21.

db.addresses.aggregate([{$match:{$nor:[{cuisine:"American "},{cuisine:"Chinese"},{name:{"$regex":/^Wil/}}]}},{$project:{restaurant\_id:1,name:1,borough:1,cuisine:1}}])

22.

db.addresses.aggregate({$match:{"grades" : {$elemMatch: {"date": ISODate("2014-08-11T00:00:00Z"), "grade":"A", "score":11}}}}, {$project:{\_id:0, restaurant\_id:1, name:1, grades:1}})

23.

db.addresses.aggregate([{$match:{$and: [{"grades.1.grade":"A"}, {"grades.1.score": 9}, {"grades.1.date": ISODate("2014-08-11T00:00:00Z")}]}},{$project:{\_id:0, restaurant\_id:1, name:1, grades:1}}])

24. db.addresses.aggregate([{$match:{"address.coord.1":{$gt:42,$lte:52}}},{$project:{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.aggregate([{$match:{"address.street":{$exist:true}}}])

29. db.addresses.aggregate([{$match:{"address.coord":{$type:1}}}])

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

31. db.addresses.aggregate([{$match:{name:{"$regex":/mon/}}},{$project:{name:1,borough:1,"address.coord.0":1,"address.cord.1":1}}])

32. db.addresses.aggregate([{$match:{name:{"$regex":/^Mad/}}},{$project:{name:1,borough:1,"address.coord.0":1,"address.cord.1":1,cuisine:1}}])