DAY 3:

1. db.addresses.find().pretty()

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}])

8. db.addresses.aggregate([{$match: {"grades.score": {$gt: 90}}}])

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

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

11. db.addresses.find({$and:[{"cuisine" : {$ne :"American "}},{"grades.score" : {$gt : 70}}, {"address.coord.0" : {$lt : -65.754168}}]});

12. db.addresses.find({$and:[{"cuisine" : {$ne :"American "}},{"grades.score" : {$gt : 70}}, {"address.coord.1" : {$lt : -65.754168}}]});

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

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

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

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

17. db.addresses.find({$and:[{borough: "Bronx"}, {$or:[{cuisine: "American"}, {cuisine: "Chinese"}]}]},{restaurant\_id:1, name:1, borough:1, cuisine:1})

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

19. db.addresses.find({"borough" :{$nin :["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine" :1});

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

21. db.addresses.find({$or: [{name: /^Wil/}, {"$and": [{"cuisine" : {$ne :"American "}}, {"cuisine" : {$ne :"Chinese"}}]}]},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine" :1});

22. db.addresses.find({"grades.date": ISODate("2014-08-11T00:00:00Z"), "grades.grade":"A" , "grades.score" : 11}, {"restaurant\_id" : 1,"name":1,"grades":1});

23. db.addresses.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.addresses.find( { "address.coord.1": {$gt : 42, $lte : 52}},{"restaurant\_id" : 1,"name":1,"address":1,"coord":1});

25. db.addresses.find().sort({"name":1});

26. db.addresses.find().sort({"name":-1});

27. db.addresses.find().sort({"cuisine":1,"borough" : -1,});

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

29. db.addresses.find({"address.coord" : {$type : 1}});

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});