

MongoDB Assignment Day 3

EXERCISE

1. `db.addresses.find()`
2. `db.addresses.aggregate([{$project:{name:1, borough:1, cuisine:1,restaurant_id:1}}])`
3. `db.addresses.aggregate([{$project:{_id:0, name:1, borough:1, cuisine:1,restaurant_id:1}}])`
4. `db.addresses.aggregate([{$project:{_id:0, name:1, borough:1, cuisine:1, zipcode:"$address.zipcode"}}])`
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.find({"grades.score":{$gt:90}}).pretty()`
9. `db.addresses.find({grades:$elemMatch:{score:{$gt:90,$lt:100}}}).pretty()`
10. `db.addresses.find({"address.coord.0":{$lt:-95.754168}}).pretty()`
11. `db.addresses.find((cuisine:{$not:/American/}, "grades.score":{$gt: 70}, "address.coord.0": {$lt:-65.754168})).pretty()`
12. `db.addresses.find((cuisine:{$not:/American/}, "grades.score":{$gt: 70}, "address.coord.1": {$lt:-65.754168})).pretty()`
13. `db.addresses.aggregate([{$match:{cuisine:{$not:/American/}, "grades.grade":"A",borough: {$ne:"Brooklyn"}}},{$sort:{cuisine:-1}}]).pretty()`
14. `db.addresses.aggregate([{$match:{name:/^Wil/}},{$project:{name:1, borough:1, cuisine:1,restaurant_id:1}}]).pretty()`
15. `db.addresses.aggregate([{$match:{name:/ces$/}},{$project:{name:1, borough:1, cuisine:1,restaurant_id:1}}]).pretty()`
16. `db.addresses.aggregate([{$match:{name:/w*Reg*w*/}},{$project:{name:1, borough:1, cuisine:1,restaurant_id:1}}]).pretty()`
17. `db.addresses.aggregate([{$match:{borough:"Bronx", $or:[{cuisine:{$regex:"American"}}, {cuisine:{$regex:"Chinese"}}]}]).pretty()`
18. `db.addresses.aggregate([{$match:{ $or:[{borough:{$regex:"Staten Island"}}, {borough: {$regex:"Queens"}}, {borough:{$regex:"Brooklyn"}}, {borough:{$regex:"Bronx"}}]}},{$project: {name:1, borough:1, cuisine:1,restaurant_id:1}}]).pretty()`
19. `db.addresses.aggregate([{$match:{ $and:[{borough:{$ne:"Staten Island"}}, {borough: {$ne:"Queens"}}, {borough:{$ne:"Brooklyn"}}, {borough:{$ne:"Bronx"}}]}},{$project: {name:1, borough:1, cuisine:1,restaurant_id:1}}]).pretty()`
20. `db.addresses.aggregate([{$match:{ "grades.score":{$lte: 10}}},{$project:{name:1, borough:1, cuisine:1,restaurant_id:1}}]).pretty()`
21. `db.addresses.aggregate([{$match:{ $or:[{name:/^Wil/}, { $and:[{cuisine:{$not:/American/}}, {cuisine:{$not:/Chinese/}}]}]}},{$project:{name:1, borough:1, cuisine:1,restaurant_id:1}}]).pretty()`

22. db.addresses.aggregate([{\$unwind:"\$grades"},{\$match:{\$and:[{"grades.grade":"A"}, {"grades.score":11}, {"grades.date":ISODate("2014-08-11T00:00:00Z")}]}},\$project:{name:1,restaurant_id: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:{name:1,restaurant_id:1,grades:1}}])
24. db.addresses.aggregate([{\$match:{"address.coord.1":{"\$gt:42,\$lte:52}}},{\$project:{name:1, borough:1,location:"\$address.coord",restaurant_id: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":{"\$exists:false}}})
29. db.addresses.aggregate([{\$match: {"address.coord":{"\$type:"double"}}})
30. db.addresses.aggregate([{\$match:{"grades.score": {\$mod: [7,0]}}}, {\$project: {name:1,restaurant_id:1,grades:1}}])
31. db.addresses.aggregate([{\$match:{name:/^w*mon*w*/}},{\$project:{name:1, borough:1, cuisine:1,latitude:{\$arrayElemAt:["\$address.coord",0]},longitude:{\$arrayElemAt: ["\$address.coord", 1]}}})
32. db.addresses.aggregate([{\$match:{name:/^Mad/}},{\$project:{name:1, borough:1, cuisine:1,latitude:{\$arrayElemAt:["\$address.coord",0]},longitude:{\$arrayElemAt: ["\$address.coord", 1]}}})