Q1

db.addresses.find()

Q2

db.addresses.aggregate([

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

])

Q3

db.addresses.aggregate([

{$project:{"\_id":0,"restaurant\_id" : 1,"name":1,"borough":1,"cuisine" :1}}

])

Q4

db.addresses.aggregate([

{$project:{"\_id":0,"restaurant\_id" : 1,"name":1,"borough":1,"address.zipcode" :1}}

])

Q5

db.addresses.aggregate([

{$match: {"borough": "Bronx"}},

{$limit: 5}

])

Q6

db.addresses.aggregate([

{$match: {"borough": "Bronx"}}

])

Q7

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

Q8

db.addresses.aggregate([

{$match: {"grades.score":{$gt : 90}}}

])

Q9

db.addresses.aggregate([

{$match: {"grades.score":{$gt : 80,$lt : 100}}}

])

Q10

db.addresses.aggregate([

{$match: {"address.coord":{$lt : -95.754168}}}

])

Q11

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

} )

Q12

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

})

Q13

db.addresses.find( {"cuisine" : {$ne : "American "},"grades.grade" :"A","borough": {$ne : "Brooklyn"}

}).sort({"cuisine":-1})

Q14

db.addresses.aggregate([

{$match: {name: /^Wil/}},

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

])

Q15

db.addresses.aggregate([

{$match: {name: /ces$/}},

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

])

Q16

db.addresses.aggregate([

{$match: {name: /.\*Reg.\*/}},

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

])

Q17

db.addresses.find({$and :[{"borough": "Bronx" },{ $or : [{ "cuisine" : "American " },{ "cuisine" : "Chinese" }]}]

} )

Q18

db.addresses.aggregate([

{$match: {"borough" :{$in :["Staten Island","Queens","Bronx","Brooklyn"]}}},

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

])

Q19

db.addresses.aggregate([

{$match: {"borough" :{$nin :["Staten Island","Queens","Bronx","Brooklyn"]}}},

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

])

Q20

db.addresses.aggregate([

{$match: {"grades.score" : {$lt : 10}}},

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

])

Q21

db.addresses.find(

{$or: [{name: /^Wil/},{"$and": [{"cuisine" : {$ne :"American "}},{"cuisine" : {$ne :"Chinees"}}]}]},

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

)

Q22

db.addresses.aggregate([

{$match: {"grades.date": ISODate("2014-08-11T00:00:00Z"), "grades.grade":"A" , "grades.score" : 11}},

{$project:{"restaurant\_id" : 1,"name":1,"grades":1}}

])

Q23

db.addresses.aggregate([

{$match: {"grades.1.date": ISODate("2014-08-11T00:00:00Z"), "grades.1.grade":"A" , "grades.1.score" : 9}},

{$project:{"restaurant\_id" : 1,"name":1,"grades":1}}

])

Q24

db.addresses.aggregate([

{$match: { "address.coord.1": {$gt : 42, $lte : 52}}},

{$project:{"restaurant\_id" : 1,"name":1,"address":1,"coord":1}}

])

Q25

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

Q26

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

Q27

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

Q28

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

Q29

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

Q30

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

Q31

db.addresses.aggregate([

{$match: {name: /.\*mon.\*/}},

{$project:{"name":1,"borough":1,"cuisine" :1,"address.coord":1}}

])

Q32

db.addresses.aggregate([

{$match: {name: /^Mad/}},

{$project:{"name":1,"borough":1,"cuisine" :1,"address.coord":1}}

])