Complex Assignment by Devesh Chaudhary

1)db.getCollection('addresses').find({}).pretty()

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

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

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

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

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

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

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

9)db.addresses.find({$and: [{"grades.score":{$gt:80}},
{"grades.score":{$lt:100}}]})

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

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

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

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

14)db.addresses.find({"name" : { $regex: /^Wil.*/}}, {_id:0, restaurant_id:1, name:1, borough:1, cuisine:1})

15)db.addresses.find({"name" : { $regex: /.*ces$/}}, {_id:0, restaurant_id:1, name:1, borough:1, cuisine:1})

16)db.addresses.find({"name" : { $regex: /Reg/}}, {_id:0, restaurant_id:1, name:1, borough:1, cuisine:1})

17)db.addresses.find({borough: "Bronx", cuisine: {$in: ["American ","Chinese"]}}, {_id:0, restaurant_id:1, name:1, borough:1, cuisine:1})

18)db.addresses.find({$or: [{"borough": "Staten Island"}, {"borough": "Bronxor Brooklyn"}, {"borough": "Queens"}]}, {_id:0, restaurant_id:1, name:1, borough:1, cuisine:1})

19)db.addresses.find({borough: {$nin: ["Staten Island","Queens","Bronx","Brooklyn"]}} , {_id:0, restaurant_id:1, name:1, borough:1, cuisine:1})

20)db.addresses.find({"grades.score": {$lte: 10}}, {_id:0, restaurant_id:1, name:1, borough:1, cuisine:1})

21)db.addresses.find({$nor: [{cuisine: {$in: ["American ","Chinese"]}},{name: /^Wil.*/}]},{_id:0, restaurant_id:1, name:1, borough:1, cuisine:1})

22)db.addresses.find({"grades" : {$elemMatch: {"date": ISODate("2014-08-11T00:00:00Z"),"grade":"A","score":11}}}, {_id:0,restaurant_id:1, name:1, grades:1})

23)db.addresses.find({$and:
[{"grades.1.grade":"A"},{"grades.1.score": 9}, {"grades.1.date":
ISODate("2014-08-11T00:00:00Z")}]},{_id:0,restaurant_id:1,name:1,
grades:1}).pretty()

24)db.addresses.find({$and : [{"address.coord.1": {$gt : 42}},
{"address.coord.1": {$lte : 52}}]}, {_id:0, restaurant_id:1, name:1,
address:1})

25)db.addresses.find({},{_id:0, name:1}).sort({name: 1})

26)db.addresses.find({},{_id:0, name:1}).sort({name: -1})

27)db.addresses.find({}, {_id:0, cuisine:1,borough:1}).sort({cuisine:
1, borough: -1})

28)db.addresses.find({“address.street”:{$regex:/Street/}}).pretty()
db.addresses.find({“address.street”:{$ne:{$regex:/Street/}}}).pretty()

29)db.addresses.find({"address.coord": {$type: "double"}}, {_id:0,
address:1})

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

31)db.addresses.find({name: {$regex: /mon/}},{_id:0, name:1,
borough:1, "address.coord":1, cuisine:1})

32)db.addresses.find({name: {$regex: /^Mad.*/}},{_id:0, name:1,
borough:1, "address.coord":1, cuisine:1})