DAY 3 Assignment

Displaying databases

show dbs

admin 0.000GB

first-test 0.000GB

local 3.327GB

mongo\_practice 0.000GB

population 0.002GB

restaurants 0.001GB

sampledatabase 0.000GB

use restaurants

Q1

db.addresses.find().pretty()

Q2

db.addresses.aggregate([

... {$project: {restaurant\_id:1,name:1,borough:1,cuisine:1}}])

Q3

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

Q4

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

Q5

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

Q6

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

Q7

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

Q8

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

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

Q9

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

Q10

db.addresses.find({"address.coord.0":{$lt:-95.754168}}).pretty()

Q11

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

Q12

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

Q13

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

Q14

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

Q15

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

Q16

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

Q17

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

Q18

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

Q19

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

Q20

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

Q21

db.addresses.aggregate([{$match:{$or:[{name:/^Wil/},{$and:[{cuisine:{$not:/American/}},{cuisine:{$not:/Chinese/}}]}]}},{$project:{name:1,borough:1,cuisine:1,restaurant\_id:1}}])

Q22

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}}])

Q23

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

Q24

db.addresses.aggregate([{$match:{"address.coord.1":{$gt:42,$lte:52}}},{$project:{name:1,borough:1,"address.coord":1,restaurant\_id:1}}])

Q25

db.addresses.aggregate([{$sort:{name:1}}]).pretty()

Q26

db.addresses.aggregate([{$sort:{name:-1}}]).pretty()

Q27

db.addresses.aggregate([{$sort:{cuisine:-1,borough:1}}])

Q28

db.addresses.aggregate([{$match:{"address.street":{$exists:false}}}])

Q29

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

Q30

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

Q31

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

Q32

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