Day-02 Assignment:

1. Write a MongoDB query to display all the documents in the collection restaurants?

Dbdb.test.find ().pretty()

1. Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine for all the documents in the collection restaurant.

db.test.find({},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine" :1}).pretty()

3. Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine, but exclude the field \_id for all the documents in the collection restaurant.

db.test.find({},{"restaurant\_id" : 1,"name":1,"borough":1,"cuisine" :1,"\_id":0}).pretty()

4. Write a MongoDB query to display the fields restaurant\_id, name, borough and zip code, but exclude the field \_id for all the documents in the collection restaurant.

db.test.find({},{"restaurant\_id" : 1,"name":1,"borough":1,"address.zipcode" :1,"\_id":0}).pretty()

5. Write a MongoDB query to display all the restaurant which is in the borough Bronx.

db.test.find({"borough": "Bronx"}).pretty()

6. Write a MongoDB query to display the first 5 restaurant which is in the borough Bronx.

db.test.find({"borough": "Bronx"}).limit(5).pretty()

7. Write a MongoDB query to display the next 5 restaurants after skipping first 5 which are in the borough Bronx.

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

8. Write a MongoDB query to find the restaurants who achieved a score more than 90.

db.test.find({grades : { $elemMatch:{"score":{$gt : 90}}}}).pretty()

9. Write a MongoDB query to find the restaurants that achieved a score, more than 80 but less than 100.

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

10. Write a MongoDB query to find the restaurants which locate in latitude value less than - 95.754168.

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

11. Write a MongoDB query to find the restaurants that do not prepare any cuisine of 'American' and their grade score more than 70 and latitude less than -65.754168.

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

12. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American' and achieved a score more than 70 and located in the longitude less than -65.754168. Note : Do this query without using $and operator.

db.test.find( {$query: { "cuisine" : {$ne : "American "}, "grades.score" :{$gt: 70}, "address.coord" : {$lt : -65.754168} } }).pretty()

13. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American ' and achieved a grade point 'A' not belongs to the borough Brooklyn. The document must be displayed according to the cuisine in descending order.

db.test.find( {$query: { "cuisine" : {$ne : "American "}, "grades.grade" :"A", "borough": "Brooklyn" }, $orderby : {"cuisine":-1} } ).pretty()

14. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Wil' as first three letters for its name.

db.test.find( {name: /^Wil/}, { "restaurant\_id" : 1, "name":1,"borough":1, "cuisine" :1 } ).pretty()

15. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'ces' as last three letters for its name.

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