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MongoDB

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

Ans:-

db.restaurants.find()

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

Ans:- db.restaurants.find({},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

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.

Ans:-

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

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.

Ans:-

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

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

Ans:-

db.restaurants.find({"borough":"Bronx"},{"restaurant\_id":1,"name":1})

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

Ans:-

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

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

Ans:-

db.restaurants.find({"borough":"Bronx"},{"restaurant\_id":1,"name":1}).skip(5).limit(5)

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

Ans:-

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

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

Ans:-

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

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

Ans:- db.restaurants.find({"address.coord" : {$lt : -95.754168}})

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

Ans:-

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

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.

Ans:-

db.restaurants.find({"cuisine" : {$ne : "American "},

"grades.score" : {$gt : 70},

"address.coord.0" : {$lt : -65.754168}

})

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.

Ans:-

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

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.

Ans:-

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

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.

Ans:-

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

16. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Reg' as three letters somewhere in its name.

Ans:-

db.restaurants.find({"name":/Reg/},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

17. Write a MongoDB query to find the restaurants which belong to the borough Bronx and prepared either American or Chinese dish.

Ans:-

db.restaurants.find({borough: "Bronx", cuisine: {$in: ["American ","Chinese"]}}, {\_id:0, restaurant\_id:1, name:1, borough:1, cuisine:1})

18. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which belong to the borough Staten Island or Queens or Bronxor Brooklyn.

Ans:-

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

19. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which are not belonging to the borough Staten Island or Queens or Bronxor Brooklyn.

Ans:-

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

20. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which achieved a score which is not more than 10.

Ans:-

db.restaurants.find({"grades.score": {$lte: 10}}, {\_id:0, restaurant\_id:1, name:1, borough:1, cuisine:1})