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

Answer: db.restaurants.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.

Answer: db.employee1.find({},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

1. 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.

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

1. 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.

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

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

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

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

Answer : db.restaurants.find().limit(5).pretty()

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

Answer : db.restaurants.find().limit(5).pretty().skip(5)

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

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

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

Answer: : db.restaurants.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.

Answer : db.restaurants.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.

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

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.

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

Answer : db.restaurants.find({"cuisine":{$ne:"American"},"grades.grade":"A","borough":{$ne:"Brooklyn"}}).sort({"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.

Answer : db.restaurants.find({"name":{$regex:/^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.

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

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.

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

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

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

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.

Answer:db.restaurants.find({"borough":{$in:["staten Island","Queens","Bronx","Brooklyn"]}},{"restaurants\_id":1,"name":1,"borough":1,"cuisine":1}).pretty()

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.

Answer :

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

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.

Answer: db.restaurants.find({"grades.score":{$not:{$gt:10}}},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1}).pretty()

21. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinees' or restaurant's name begins with letter 'Wil'.

Answer :

db.restaurants.find({$or:[{cuisine:{$in:["american","Chinese"]}},{name:/^wil/}]}).pretty()