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

Answer- Show dbs

Use restaurantdb

Show collections-restaurant

db.restaurant.find()

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

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

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

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

Answer-

db.restaurant.find({"borough":"Bronx"},{})

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

Answer-

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

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

Answer-

db.restaurant.find({"borough":"Bronx"},{}).skip(5).limit(5)

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

Answer-

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

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

Answer-

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

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

Answer-

db.restaurant.find({"address.coord":{$lt:-95.754168}},{})

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

1. 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.restaurant.find({'cuisine':{$ne:'American'}},{‘grades.score':{$gt:70}},{‘address.coord':{$lt:-65.754168}}),{})

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

1. 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.restaurant.find({"name":{$regex:"^Wil"}},{"\_id":0,"restaurant\_id":1, "name":1, "borough":1,"cuisine":1})

1. 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.restaurant.find({"name":{$regex:"ces$"}},{"\_id":0,"restaurant\_id":1,"name":1, "borough":1,"cuisine":1})

1. 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.restaurant.find({"name":{$regex:"Reg"}},{"\_id":0,"restaurant\_id":1,"name":1, "borough":1,"cuisine":1})

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

Answer-

db.restaurant.find({$and:[{"borough":"Bronx"},{"cuisine":{$in:["American","Chinese"]}}]},{})