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

db.restaurents.find().pretty()

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

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

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

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

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

db.restaurents.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.restaurents.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.restaurents.find({"grades.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.restaurents.find({"grades.score":{$gt:90,$lt:100}}).pretty()

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

db.restaurents.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.restaurents.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.restaurents.find({"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.restaurents.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.

db.restaurents.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.restaurents.find({"name":/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.

db.restaurents.find({"name":/.\*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.

db.restaurents.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.

db.restaurents.find({"borough":{$in:["Staten Island","Queens","Bronx","Brooklyn"]}}).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.

db.restaurents.find({"borough":{$nin:["Staten Island","Queens","Bronx","Brooklyn"]}}).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.

db.restaurents.find({"grades.score":{$lt: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'.

db.restaurents.find({$or:[{"name":/^Wil/},{"$and":[{"cuisine":{$ne:"American "}},{"cuisine":{$ne:"Chinese"}}]}]},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1}).pretty()