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

db.restaurants.find()

2. Display the fields restaurant\_id, name, borough and cuisine for all the documents in the collection restaurant.

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.

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

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

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

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

6. Display the first 5 restaurant which is in the borough Brooklyn.

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

7. Display the next 5 restaurants after skipping first 5 which are in the borough Brooklyn.

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

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

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.

db.restaurants.find({"grades":

{$elemMatch:{"score":{$gt:80, $lt:100}}}})

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

db.restaurants.find({"address.coord":

{$lt:-95.754168}})

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.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.

db.restaurants.find({$and:

[

{"cuisine":{$ne:"American"}},

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

{"address.coord":{$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

db.restaurants.find({$and:

[

{"cuisine":{$ne:"American"}},

{"grades.grade":{$eq:“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.

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.

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

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

db.restaurants.find(

{"borough":"Bronx",

$or:[{"cuisine":"American"}, {"cuisine":"Chinese"}]})

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 Bronx or Brooklyn

db.restaurants.find({"borough":

{$in:["Staten Island","Queens","Bronx","Brooklyn"]}},

{"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 Bronx or Brooklyn

db.restaurants.find({"borough":

{$nin:["Staten Island","Queens","Bronx","Brooklyn"]}},

{"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

db.restaurants.find(

{"grades.score":

{$not:{$gt:10}}},

{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})