MongoDB Query

Name : Kalleda Deepika

Database name : hotel

      Answer : use hotel

Collection name : restaurant

File name : restaurants.json

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

Answer :

      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.

Answer:

      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.

Answer :

      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.

Answer :

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. Answer:

> db.restaurants.find({'borough':'Bronx'})

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

Answer:

> 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.

Answer :

> db.restaurants.find({'borough':'Bronx'}).skip(5).limit(5)

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

Answer:

> 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.

Answer:

    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.

Answer:

    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.

Answer:

 db.restaurants.find({$and : [{"cuisine" : {$ne : "American "}}, {"grades.score" : {$gt : 70}},{"address.coord.0" : {$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.

Answer:

    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.

Answer:

 db.restaurants.find({$and : [{"cuisine" : {$ne : "American "}},{"grades.score" : {$gt : 70}},{borough:'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.

Answer:

db.restaurants.find({'name':{'$regex':'^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.

Answer:

    db.restaurants.find({'name':{'$regex':'ces$'}},{'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.

Answer:

db.restaurants.find({'name':{'$regex':'/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.

Answer:

db.restaurants.find({'borough':'Bronx',cuisine:{$in:["American","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.

Answer:

db.restaurants.find({borough:{$in:["Bronx","Brooklyn","Staten Island","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.

Answer:

db.restaurants.find({borough:{$nin:["Bronx","Brooklyn","Staten

Island","Queens"]}},{'_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.

Answer:

 db.restaurants.find({'grades.score':{$lt:10}},{'_id':0,'restaurant_id':1,'name':1,

'borough':1,'cuisine':1})

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'.

22. Write a MongoDB query to find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an ISODate "201408-11T00:00:00Z" among many of survey dates..

23. Write a MongoDB query to find the restaurant Id, name and grades for those restaurants where the 2nd element of grades array contains a grade of "A" and score 9 on an ISODate "2014-08-11T00:00:00Z".

24. Write a MongoDB query to find the restaurant Id, name, address and geographical location for those restaurants where 2nd element of coord array contains a value which is more than 42 and upto 52.. 25. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.

26. Write a MongoDB query to arrange the name of the restaurants in descending along with all the columns.

27. Write a MongoDB query to arranged the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.

28. Write a MongoDB query to know whether all the addresses contains the street or not. 29. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.

30. Write a MongoDB query which will select the restaurant Id, name and grades for those restaurants which returns 0 as a remainder after dividing the score by 7.

31. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and cuisine for those restaurants which contains 'mon' as three letters somewhere in its name.

32. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and cuisine for those restaurants which contain 'Mad' as first three letters of its name.