DATABASE NAME : HOTEL

COLLECTION NAME : RESTAURANT

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

   Ans =db.restaurants.find()

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

   Ans=db.restaurants.find({},{restaurant_id:1,name:1,borough:1,cuisine:1})

3. Write a MongoDB query to display the fieldsrestaurant_id, name, borough and cuisine, but exclude the field _id for all the documents in the collection restaurant.

Ans=db.restaurants.find({},{restaurant_id:1,name:1,borough:1,cuisine:1,_id:0})

4. Write a MongoDB query to display the fieldsrestaurant_id, name, borough and zip code, but exclude the field _id for all the documents in the collection restaurant.

   ANS: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.

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

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

   Ans=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.

Ans=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.

Ans=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.

Ans=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.

Ans=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.

Ans=db.restaurants.find({$and:[{"cuisine":{$ne:"America"}},{"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. Note : Do this query without using $and operator.

Ans=db.restaurants.find({'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.

Ans=db.restaurants.find({'cuisine':{$ne:'American'},'grades.grade':'A','borough':{$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.

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.

Ans=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.

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

Ans= 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 Bronxor Brooklyn.

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.

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.

Ans=db.restaurants.find({"grades.score":{$lte : 10}},{'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 "2014-08-11T00:00:00Z" 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.