

MongoDB Ejercicios de ejemplo

Estructura de la colección 'restaurants':

```
{
  "address": {
    "building": "1007",
    "coord": [ -73.856077, 40.848447 ],
    "street": "Morris Park Ave",
    "zipcode": "10462"
  },
  "borough": "Bronx",
  "cuisine": "Bakery",
  "grades": [
    { "date": { "$date": 1393804800000 }, "grade": "A", "score": 2 },
    { "date": { "$date": 1378857600000 }, "grade": "A", "score": 6 },
    { "date": { "$date": 1358985600000 }, "grade": "A", "score": 10 },
    { "date": { "$date": 1322006400000 }, "grade": "A", "score": 9 },
    { "date": { "$date": 1299715200000 }, "grade": "B", "score": 14 }
  ],
  "name": "Morris Park Bake Shop",
  "restaurant_id": "30075445"
}
```

Tienes que utilizar la herramienta [mongoimport](#) para importar el JSON a la base de datos, puedes descargar la herramienta de aquí:

<https://www.mongodb.com/try/download/database-tools>

[Los datos los puedes descargar de aquí. La colección contiene 3772 documentos.](#)

Se aconseja que el alumno intente resolver estas peticiones enunciadas a continuación sin mirar el resultado y luego lo compruebe con la solución.

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

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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.

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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.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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'.

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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..

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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".

[Click me to see the solution](#)

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..

[Click me to see the solution](#)

25. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.

[Click me to see the solution](#)

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

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

28. Write a MongoDB query to know whether all the addresses contains the street or not.

[Click me to see the solution](#)

29. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)

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.

[Click me to see the solution](#)