

#COMPLEX QUERIES

```
>mongo  
>mongo  
>mongoimport --db restaurants --collection  
addresses --file restaurants.json  
>show dbs  
>use restaurants
```

```
1:  
>db.addresses.find()
```

```
2:  
>db.addresses.find({}, {"restaurant_id":1, "name":1,  
"borough":1, "cuisine":1})
```

```
3:  
>db.addresses.find({}, {"_id":0,"restaurant_id":1,  
"name":1, "borough":1, "cuisine":1})
```

```
4:  
>db.addresses.find({}, {"_id":0,"restaurant_id":1,  
"name":1, "borough":1, "address":{"zipcode":1}})
```

```
5:  
>db.addresses.find({"borough":"Bronx"}).limit(5)
```

```
6:  
>db.addresses.find({"borough":"Bronx"})
```

```
7:  
>db.addresses.find({"borough":"Bronx"}).skip(5).limi  
t(5)
```

8:

```
>db.addresses.find({"grades.score":{"$gt:90}})
```

9:

```
>db.addresses.find({"grades.score":{"$gt:80,$lt:100}})  
//doubt
```

10:

```
>db.addresses.find({"address.coord.0":{"$lt:  
-95.754168}})
```

11:

```
>db.addresses.find(  
    "cuisine" : {$ne : "American "},  
    "grades.score" : {$gt : 70},  
    "address.coord.0" : {$lt :  
-65.754168}  
    })
```

12:

```
>db.addresses.find(  
    "cuisine" : {$ne : "American "},  
    "grades.score" : {$gt : 70},  
    "address.coord.1" : {$lt : 65.754168}  
    })
```

13:

```
>db.addresses.find( {  
    "cuisine" : {$ne : "American "},  
    "grades.grade" : "A",  
    "borough": {$ne : "Brooklyn"}  
} ).sort({"cuisine":-1})
```

14:

```
>db.addresses.find({name: /^Wil/},{ "restaurant_id" :  
1,"name":1,"borough":1,"cuisine" :1})
```

15:

```
>db.addresses.find({name: /ces$/},{ "restaurant_id" :  
1,"name":1,"borough":1,"cuisine" :1})
```

16:

```
>db.addresses.find({name:  
/.*Reg.*$/},{ "restaurant_id" :  
1,"name":1,"borough":1,"cuisine" :1})
```

17:

```
>db.addresses.find({"borough":"Bronx",$or:[{"cuisin  
e":"American"}, {"cuisine":"Chinese"}]})
```

18:

```
>db.addresses.find({$or:[{"borough":"Staten  
Island"}, {"borough":"Queens"}, {"borough":"Bronx"}, {"  
borough":"Brooklyn"}]},  
{ "restaurant_id" : 1,"name":1,"borough":1,"cuisine"  
:1})
```

OR

```
>db.addresses.find({"borough" :{$in :["Staten  
Island","Queens","Bronx","Brooklyn"]}},  
{ "restaurant_id" : 1,"name":1,"borough":1,"cuisine"  
:1})
```

19:

```
>db.addresses.find({"borough" :{$nin :["Staten  
Island","Queens","Bronx","Brooklyn"]}},  
{"restaurant_id" : 1,"name":1,"borough":1,"cuisine"  
:1})
```

20:

```
>db.addresses.find({"grades.score":{ $not: {$gt :  
10}}},  
{"restaurant_id" : 1,"name":1,"borough":1,"cuisine"  
:1})
```

21:

```
>db.addresses.find({$or:[{"name":/^Wil/},  
{"$and": [{"cuisine" : {$ne : "American "}}, {"cuisine" :  
{$ne : "Chinese"}}]}},  
{"restaurant_id" : 1,"name":1,"borough":1,"cuisine"  
:1})
```

22:

```
>db.addresses.find({  
"grades.date":ISODate("2014-08-11T00:00:00Z") ,  
"grades.grade":"A","grades.score":11},  
{"restaurant_id" : 1,"name":1,"grades":1})
```

23:

```
>db.addresses.find({  
"grades.1.date":ISODate("2014-08-11T00:00:00Z") ,  
"grades.1.grade":"A","grades.1.score":9},  
{"restaurant_id" : 1,"name":1,"grades":1})
```

24:

```
>db.addresses.find({ "address.coord.1": {$gt : 42,
```

```
$lte : 52}},  
{"restaurant_id" : 1,"name":1,"address":1,"coord":1})
```

25:

```
>db.addresses.find().sort({"name":1})
```

26:

```
>db.addresses.find().sort({"name":-1})
```

27:

```
>db.addresses.find().sort({"cuisine":1,"borough":-1})
```

28:

```
>db.addresses.find({"address.street" : { $exists :  
true } } )
```

29:

```
>db.addresses.find({"address.coord" : {$type : 1}})
```

30:

```
>db.addresses.find({"grades.score" : {$mod : [7,0]}},  
{"restaurant_id" : 1,"name":1,"grades":1})
```

31:

```
>db.addresses.find({ name : /.*mon.* / },  
{"name":1,"borough":1,"address.coord":1,"cuisine"  
:1})
```

32:

```
>db.addresses.find({ name : /^Mad/},  
{"name":1,"borough":1,"address.coord":1,"cuisine"  
:1})
```