**MongoDB-Complex Queries**

**Exercise Questions**

1. db.addresses.find().pretty();
2. db.addresses.find({},{"restaurant\_id": 1,"name": 1,"borough": 1,"cuisine": 1}).pretty();
3. db.addresses.find({},{"restaurant\_id": 1,"name": 1,"borough": 1,"cuisine": 1,"\_id": 0}).pretty();
4. db.addresses.find({},{"restaurant\_id": 1,"name": 1,"borough": 1,"address.zipcode": 1,"\_id": 0}).pretty();
5. db.addresses.find({"borough": "Bronx"}).limit(5) .pretty();
6. db.addresses.find({"borough": "Bronx"}).pretty();
7. db.addresses.find({"borough": "Bronx"}).skip(5).limit(5) .pretty();
8. db.addresses.find({"grades": {$elemMatch: {"score": {$gt: 90}}}}).pretty();
9. db.addresses.find({"grades": {$elemMatch: {"score": {$gt: 80,$lt: 100}}}}).pretty();
10. db.addresses.find({"address.coord": {$lt: -95.754168}}).pretty();
11. db.addresses.find({$and:[{"cuisine": {$ne: "American"}},{"grades.score": {$gt: 70}},{"address.coord": {$lt: -65.754168}}]}).pretty();
12. db.addresses.find({"cuisine": {$ne: "American"},"grades.score": {$gt: 70},"address.coord": {$lt: -65.754168}}).pretty();
13. db.addresses.find({"cuisine": {$ne: "American"},"grades.grade": "A","borough": {$ne: "Brooklyn"}}).sort({"cuisine": -1}).pretty();
14. db.addresses.find({"name":/Wil/},{"restaurant\_id": 1,"name": 1,"borough": 1,"cuisine": 1}).pretty();
15. db.addresses.find({"name":/ces$/},{"restaurant\_id": 1,"name": 1,"borough": 1,"cuisine": 1}).pretty();
16. db.addresses.find({"name":/.Reg./},{"restaurant\_id": 1,"name": 1,"borough": 1,"cuisine": 1}).pretty();
17. db.addresses.find({"borough": "Bronx",$or: [{"cuisine": "American"},{"cuisine": "Chinese"}]}).pretty();
18. db.addresses.find({"borough": {$in: ["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant\_id": 1,"name": 1,"cuisine": 1}).pretty();
19. db.addresses.find({"borough": {$nin: ["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant\_id": 1,"name": 1,"cuisine": 1}).pretty();
20. db.addresses.find({"grades.score": {$not: {$gt: 10}}},{"restaurant\_id": 1,"name": 1,"cuisine": 1}).pretty();
21. db.addresses.find({$or: [{name: /^Wil/},{"$and": [{"cuisine": {$ne: "American "}},{"cuisine": {$ne: "Chinees"}}]}]},{"restaurant\_id": 1,"name": 1,"borough": 1,"cuisine": 1}).pretty();
22. db.addresses.find({"grades.date": ISODate("2014-08-11T00:00:00Z"),"grades.grade": "A","grades.score": 11},{"restaurant\_id": 1,"name": 1,"grades": 1}).pretty();
23. db.addresses.find({"grades.date": ISODate("2014-08-11T00:00:00Z"),"grades.grade": "A","grades.score": 9},{"restaurant\_id": 1,"name": 1,"grades": 1}).pretty();
24. db.addresses.find({"address.cord": {$gt: 42,$lt: 52}},{"restaurant\_id": 1,"name": 1,"address": 1,"address.coord": 1}).pretty();
25. db.addresses.find().sort({"name": 1}).pretty();
26. db.addresses.find().sort({"name": -1}).pretty();
27. db.addresses.find().sort({"cuisine": 1,"borough": -1}).pretty();
28. db.addresses.find({"address.street": {$exists: true}}).pretty();
29. db.addresses.find({"address.coord": {$type: 1}}).pretty();
30. db.addresses.find({"grades.score": {$mod: [7,0]}},{"restaurant\_id": 1,"name": 1,"grades": 1}).pretty();
31. db.addresses.find({"name":/.mon./},{"name": 1,"borough": 1,"address.coord": 1,"cuisine": 1}).pretty();
32. db.addresses.find({"name":/Mad/},{"name": 1,"borough": 1,"address.coord": 1,"cuisine": 1}).pretty();