|  |  |  |  |
| --- | --- | --- | --- |
| № | **Query** | **Result** | **Explain** |
| 3.1 | db.restaurants.find({borough:"Queens",cuisine:"Chinese"}).count() | 728 |  |
| 3.2 | db.restaurants.find({},{"grades.score" : 1, \_id : 1}).sort({"grades.score" : -1}).limit(1) | ObjectId("5a57a5e6d24fcc2830e5e631") |  |
| 3.3 | db.restaurants.updateMany({borough : "Manhattan"},{$push:{ grades : {grade: "A", score: 7, date: ISODate() }}}) |  |  |
| 3.4 | db.restaurants.find({"grades.8.score" : {$lt : 7}},{ name : 1, \_id : 0}) | { "name" : "Silver Krust West Indian Restaurant" }  { "name" : "Pure Food" } |  |
| 3.5 | db.restaurants.find({ cuisine: "Seafood", "grades": {$elemMatch: {date: {$gte: ISODate( "2014-02-01T00:00:00.000Z"),$lte: ISODate("2014-03-01T00:00:00.000Z")},grade: "B"} }},{borough: 1}) | Result : \_id:5a57a5e7d24fcc2830e61a3e, borough:"Bronx"  \_id:5a57a5e7d24fcc2830e61cb6,borough:"Manhattan" |  |
| 4.1 | db.restaurants.createIndex({ name: 1 })  db.restaurants.find({ name: "Glorious Food" }) | \_id:5a57a5e6d24fcc2830e5e4ed  address:Object  borough:"Manhattan"  cuisine:"American"  grades:Array  name:"Glorious Food"  restaurant\_id:"40361521"  grade:Array  score:Array  date:Array | Documents Returned:1  Index Keys Examined:1  Documents Examined:1  Actual Query Execution Time (ms):0  Sorted in Memory:no  Query used the following index: name |
| 4.2 | db.restaurants.dropIndex({ name: 1 }) |  |  |
| 4.3 | db.restaurants.createIndex({ restaurant\_id: 1, borough: 1 })  db.restaurants.find({ restaurant\_id: "41098650" }, { \_id: 0, borough: 1 }) | name:"Silver Krust West Indian Restaurant" | Query covered by index:  restaurant\_id,borough  Documents Examined:0 |
| 4.4 | db.restaurants.createIndex({ cuisine: 1 }, { partialFilterExpression: { borough : "Staten Island" }) |  |  |
| 4.5 | db.restaurants.createIndex( { "grades.8.score": 1, "name" : 1 },{ partialFilterExpression: { "grades.8.score": { $lt: 7 } }}) |  | Documents Examined:0  Query covered by index:  grades.7.score,name |