Big Data Analytics (2CS702)

Practical 8	
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AIM : to perform CRUD operations on Restaurants dataset using MongoDB.

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## View Dataset :

**View Data:**

```
> db.restaurants.find()
<
> db
< test
> use restaurants
< 'switched to db restaurants'
> db.restaurants.find()
< { _id: ObjectId("637e05ef333a91d655f6b9d7"),
    address:
     { building: '1007',
       coord: [ -73.856077, 40.848447 ],
       street: 'Morris Park Ave',
       zipcode: '10462' },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades:
     [ { date: 2014-03-03T00:00:00.000Z, grade: 'A', score: 2 },
       { date: 2013-09-11T00:00:00.000Z, grade: 'A', score: 6 },
       { date: 2013-01-24T00:00:00.000Z, grade: 'A', score: 10 },
       { date: 2011-11-23T00:00:00.000Z, grade: 'A', score: 9 },
       { date: 2011-03-10T00:00:00.000Z, grade: 'B', score: 14 } ],
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445' }
  { _id: ObjectId("637e05ef333a91d655f6b9d8"),
    address:
     { building: '469'
```

Insert One Field :

```
> db.restaurants.insertOne ({ "address": { "street" : "2 Avenue", "zipcode" : "10075",
 "building" : "1480", "coord" : [ -73.9557413, 40.7720266 ], }, "borough" :
 "Manhattan", "cuisine" : "Italian", "grades" : [ { "date":
 ISODate ("2014-10-01T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date":
 ISODate ("2014-01-16T00:00:00.00Z"), "grade" : "B", "score" : 17 } ], "name" :
 "TEJAS DOBARIYA", "restaurant_id" : "41704620cls" } )
< { acknowledged: true,
    insertedId: ObjectId("6386495471cae09af3bdb8ed") }
restaurants >
```

Read data Form Database:

```
> db.restaurants.find({"name": "TEJAS DOBARIYA"}).pretty()
< { _id: ObjectId("6386495471cae09af3bdb8ed"),
    address:
     { street: '2 Avenue',
       zipcode: '10075',
       building: '1480',
       coord: [ -73.9557413, 40.7720266 ] },
    borough: 'Manhattan',
    cuisine: 'Italian',
    grades:
     [ { date: 2014-10-01T00:00:00.000Z, grade: 'A', score: 11 },
       { date: 2014-01-16T00:00:00.000Z, grade: 'B', score: 17 } ],
    name: 'TEJAS DOBARIYA',
    restaurant_id: '41704620cls' }
restaurants >
```

Updating database :

```
> db.restaurants.updateOne({"name":"100 menu"},{ $set: {"cuisine":"American new one"}, $currentDate:{"lastModified":true}})
< { acknowledged: true,
    insertedId: null,
    matchedCount: 0,
    modifiedCount: 0,
    upsertedCount: 0 }
restaurants >
```

Delete Operation :

```
> db.runCommand( { delete: "orders", deletes: [ { q: { status: "D" }, limit: 1 } ] } )
< { n: 0, ok: 1 }
```