NAME :: IBRAR BABAR

ROLL_NO. :: 19P-0104

DATABASE :: SECTION (4A)

ASSIGNMENT # 4

(INSERTION_DATA)

use assign_3

mongoimport --db good_db --collection restaurants --file G:\assignment.json

```
C:\Program Files\MongoDB\Server\4.4\bin>mongoimport --db good_db --collection restaurants --file G:\assignment.json
2021-06-19T23:03:34.100+0500    connected to: mongodb://localhost/
2021-06-19T23:03:36.346+0500    25359 document(s) imported successfully. 0 document(s) failed to import.
```

1). READ OPERATIONS

(TASK#1)

db.restaurants.findOne()

```
> db.restaurants.findOne()
{
        "_id" : ObjectId("60ce31765932a71c9c18d2b5"),
        "address" : {
                "building" : "469",
                "coord" : [
                        -73.961704,
                        40.662942
                ],
                "street" : "Flatbush Avenue",
                "zipcode" : "11225"
        },
        "borough" : "Brooklyn",
        "cuisine" : "Hamburgers",
        "grades" : [
                {
                        "date" : ISODate("2014-12-30T00:00:00Z"),
                        "grade" : "A",
                        "score" : 8
                },
                {
                        "date" : ISODate("2014-07-01T00:00:00Z"),
                        "grade" : "B",
                        "score" : 23
                },
                {
                        "date" : ISODate("2013-04-30T00:00:00Z"),
                        "grade" : "A",
                        "score" : 12
                },
                {
                        "date" : ISODate("2012-05-08T00:00:00Z"),
                        "grade" : "A",
                        "score" : 12
                }
        ],
        "name" : "Wendy'S",
        "restaurant_id" : "30112340"
}
```

(TASK#2)

db.restaurants.find({name:{$eq:"Wendy'S"},cuisine:{$eq:"Hamburgers"}, borough:{$eq:"Bronx"}}).pretty();

[Note: this query is going to show 5 Documents]

```
> db.restaurants.find( {name:{$eq:"Wendy'S"},cuisine:{$eq:"Hamburgers"}, borough:{$eq:"Bronx"}} ).pretty();
{
        "_id" : ObjectId("60ce31765932a71c9c18d519"),
        "address" : {
                "building" : "3636",
                "coord" : [
                        -73.8421735,
                        40.8794229
                ],
                "street" : "Boston Road",
                "zipcode" : "10469"
        },
        "borough" : "Bronx",
        "cuisine" : "Hamburgers",
        "grades" : [
                {
                        "date" : ISODate("2014-11-17T00:00:00Z"),
                        "grade" : "A",
                        "score" : 9
                },
                {
                        "date" : ISODate("2014-06-25T00:00:00Z"),
                        "grade" : "A",
                        "score" : 3
                },
                {
                        "date" : ISODate("2013-06-14T00:00:00Z"),
                        "grade" : "A",
                        "score" : 7
                },
                {
                        "date" : ISODate("2012-06-06T00:00:00Z"),
                        "grade" : "A",
                        "score" : 6
                },
                {
                        "date" : ISODate("2012-01-27T00:00:00Z"),
                        "grade" : "A",
                        "score" : 7
                }
        ],
        "name" : "Wendy'S",
        "restaurant_id" : "40386062"
```

(TASK#3)

db.restaurants.find({"grades.grade":{$eq:"A"},"grades.score":{$eq:2},"grades.date":{$eq:"2014-05-08T00:00:00Z"}}).pretty();

```
> db.restaurants.find({"grades.grade":{$eq:"A"},"grades.score":{$eq:2},"grades.date":{$eq:"2014-05-08T00:00:00Z"}}).pretty();
>
>
>
>
```

2). UPDATE OPERATIONS

(TASK#1)

db.restaurants.updateOne({restaurant_id : "50008124"}, { $set:{name:"Fast"} });

```
> db.restaurants.updateOne( {restaurant_id : "50008124"}, { $set:{name:"Fast"} } );
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
>
>
```

(TASK#2)

First show data

db.restaurants.find({name:{$eq:"Wendy'S Old Fashioned Hamburgers"}}).pretty();

```
> db.restaurants.find( {name:{$eq:"Wendy'S Old Fashioned Hamburgers"}} ).pretty();
{
        "_id" : ObjectId("60ce31785932a71c9c192827"),
        "address" : {
                "building" : "3939",
                "coord" : [
                        -73.9415434,
                        40.8391424
                ],
                "street" : "Broadway",
                "zipcode" : "10032"
        },
        "borough" : "Manhattan",
        "cuisine" : "American",
        "grades" : [
                {
                        "date" : ISODate("2014-04-09T00:00:00Z"),
                        "grade" : "A",
                        "score" : 7
                }
        ],
        "name" : "Wendy'S Old Fashioned Hamburgers",
        "restaurant_id" : "50008136"
}
{
        "_id" : ObjectId("60ce31785932a71c9c192829"),
        "address" : {
                "building" : "2121",
```

NOW SET their cuisine to "Desi";

db.restaurants.updateMany({name :"Wendy'S Old Fashioned Hamburgers"}, { $set:{cuisine : "Desi"} });

```
> db.restaurants.updateMany( {name :"Wendy'S Old Fashioned Hamburgers"}, { $set:{cuisine : "Desi"} } );
{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
>
```

(TASK#3)

db.restaurants.updateMany({name :{$eq:"Mcdonald"} , borough :{$eq: "Staten Island"}}, { $set:{cuisines:{$eq:"Pizzas"} }});

```
> db.restaurants.updateMany( {name :{$eq:"Mcdonald"} , borough :{$eq: "Staten Island"}}, { $set:{cuisines:{$eq:"Pizzas"} }} );
{ "acknowledged" : true, "matchedCount" : 0, "modifiedCount" : 0 }
>
```

1). REMOVE OPERATIONS

(TASK#1)

db.restaurants.remove({ name:{$eq:"Wendy'S Old Fashioned Hamburgers"}});

```
>
> db.restaurants.remove( { name:{$eq:"Wendy'S Old Fashioned Hamburgers"}} );
WriteResult({ "nRemoved" : 3 })
>
```

(TASK#2)

db.restaurants.remove({ cuisine:{$eq:"Pizza"}});

```
> db.restaurants.remove( { cuisine:{$eq:"Pizza"}} );
WriteResult({ "nRemoved" : 1163 })
>
```

(TASK#3)

db.restaurants.remove({name:{$eq:"Burger King" },cuisine : {$eq:"Hamburgers"} , borough : {$eq:"Queens"} });

```
> db.restaurants.remove( {name:{$eq:"Burger King" },cuisine : {$eq:"Hamburgers"} , borough : {$eq:"Queens"} });
WriteResult({ "nRemoved" : 20 })
>
```

---

4. Creating your own document

db.retaurant.insert(

{ "address": {"building": "21899", "coord": [-32.21234, 45.23423], "street": "Green 9", "zipcode": "32112"},

"borough": "Peshawar", "cuisine": "Pizza",

"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": "Ibrar Babar", "restaurant_id": "190104" }

 );

```
>
> db.retaurant.insert(
... { "address": {"building": "21899", "coord": [-32.21234, 45.23423], "street": "Green 9", "zipcode": "32112"},
... "borough": "Peshawar", "cuisine": "Pizza",
... "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": "Ibrar Babar", "restaurant_id": "190104" }
... );
WriteResult({ "nInserted" : 1 })
>
```