

Consultas complejas en MongoDB

Bases de datos 2

Consultar arrays

- Encontrar el elemento que contenga el valor
- `db.people.find({tags:"laborum"},{name:1,tags:1})`
- Encontrar el elemento que contenga todos
- `db.people.find({tags:{$all:["laborum","sunt"]}}, {name:1,tags:1})`
- Encontrar el que contenga alguno
- `db.people.find({tags:{$in:["laborum","sunt","nisi"]}}, {name:1,tags:1})`

- Encontrar los que no contengan alguno
- `db.people.find({tags:{$nin:["laborum","sunt","nisi"]}},{name:1,tags:1})`
- Encontrar los que tengan cierto tamaño
- `db.people.find({tags:{$size:3}})`

Proyección de Arreglos

- Mostrar solo un elemento
- `db.people.find({tags:{$in:["laborum","sunt","nisi"]}}, {"tags.$":1,name:1})`
- Devolver un numero de elementos
- `db.people.find({tags:{$in:["laborum","sunt","nisi"]}}, {tags:{$slice:3},name:1})`
- `db.people.find({tags:{$in:["laborum","sunt","nisi"]}}, {tags:{$slice:-3},name:1})`
- `db.people.find({tags:{$in:["laborum","sunt","nisi"]}}, {tags:{$slice:[2,3]},name:1})`

Dot Notation

- `db.people.find({"tags.1":"enim"})`

Consulta en subdocumentos

- `db.people.find({ friends: { id:1, name:"Trinity Ford" } })`
- Con Dot notation
- `db.people.find({"friends.2.name":{"$gte":"T"}}, {friends:{$slice:-1},name:1})`

Expresiones Regulares

- `db.people.find({"name": {$regex:".*r$"}},{name:1})`
- `db.people.find({"name": {$regex:".*fis"}},{name:1})`
- `db.people.find({"name": {$regex:".*Fis"}},{name:1})`
- `db.people.find({"name": {$regex:".*fis", $options:"i"}},{name:1})`

Cursors

- `db.people.find({"friends.2.name":{"$gte":"T"}}).count()`
- Sort
- `db.people.find({"friends.2.name":{"$gte":"T"}},{_id:0,name:1}).sort({name:1})`
- `db.people.find({"friends.2.name":{"$gte":"T"}},{_id:0,name:1}).sort({name:-1})`
- `db.people.find({"friends.2.name":{"$gte":"T"}},{_id:0,name:1,email:1}).sort({name:1,email:1})`
- Limit
- `db.people.find({"friends.2.name":{"$gte":"T"}},{name:1}).limit(5)`
- Skip
- `db.people.find({"friends.2.name":{"$gte":"T"}},{name:1}).skip(5)`
- To array
- `var myArray = db.people.find({"friends.2.name":{"$gte":"T"}},{name:1}).toArray()`

- `db.people.find({"friends.2.name":{"$gte":"T"}},{name:1}).skip(10).limit(5)`
- `db.people.find({"friends.2.name":{"$gte":"T"}},{name:1}).sort({name:1}).limit(1)`