

## DAY4-MONGODB-03/08/2023

### TASK1: Queries for creating,updating,modify the data in mongodb

```
mongosh mongodb://127.0.0.1:27017/mongosh?directConnection=true&serverSelectionTimeoutMS=2000
{ "_id": ObjectId("64cb3f049462c784ba7405ba"), name: 'kiruba' }
payoda> db.Employee.find({name:"kiruba"});
payoda> db.Employees.find({name:"kiruba"});
[ { _id: ObjectId("64cb3e389462c784ba7405b7"), name: 'kiruba' },
  { _id: ObjectId("64cb3f049462c784ba7405ba"), name: 'kiruba' } ]
payoda> db.Employees.find({NAME:"kiruba"});
payoda> db.Employees.find({}, {name:1});
[ { _id: ObjectId("64cb3e389462c784ba7405b7"), name: 'kiruba' },
  { _id: ObjectId("64cb3e779462c784ba7405b8"), name: 'nandhini' },
  { _id: ObjectId("64cb3e779462c784ba7405b9"), name: 'suriya' },
  { _id: ObjectId("64cb3f049462c784ba7405ba"), name: 'kiruba' } ]
payoda> db.Employees.find({}, {name:0});
[ { _id: ObjectId("64cb3e389462c784ba7405b7") },
  { _id: ObjectId("64cb3e779462c784ba7405b8") },
  { _id: ObjectId("64cb3e779462c784ba7405b9") },
  { _id: ObjectId("64cb3f049462c784ba7405ba") } ]
payoda> db.Employees.find({_id:"64cb3e389462c784ba7405b7"}, {name:0});
payoda> db.Employees.find({_id:"64cb3e389462c784ba7405b7"}, {name:1});
payoda> db.Employees.find({_id:64cb3e389462c784ba7405b7}, {name:1});
Uncaught:
SyntaxError: Identifier directly after number. (1:25)
> 1 | db.Employees.find({_id:64cb3e389462c784ba7405b7}, {name:1});
    |                               ^
    2 |
payoda> db.Employees.find({name:0}, {name:1});
payoda> db.Employees.find({name:"kiruba"}, {name:1});
[ { _id: ObjectId("64cb3e389462c784ba7405b7"), name: 'kiruba' },
  { _id: ObjectId("64cb3f049462c784ba7405ba"), name: 'kiruba' } ]
```

```
mongosh mongodb://127.0.0.1:27017/mongosh?directConnection=true&serverSelectionTimeoutMS=2000
payoda> db.users.find();
[ { _id: ObjectId("64cb4d3c9462c784ba7405bb"),
  name: 'John Doe',
  age: 30,
  email: 'john.doe@example.com',
  isActive: true } ]
payoda> db.users.find({age:{$gt:25}}, {name:1});
[ { _id: ObjectId("64cb4d3c9462c784ba7405bb"), name: 'John Doe' } ]
payoda> db.users.find({age:{$gt:25}}, {_id:1, name:1});
[ { _id: ObjectId("64cb4d3c9462c784ba7405bb"), name: 'John Doe' } ]
payoda> db.users.find({age:{$gt:25}}, {_id:0, name:1});
[ { name: 'John Doe' } ]
payoda> db.users.find({age:{$gt:25}}, {age:0, name:1});
MongoServerError: Cannot do inclusion on field name in exclusion projection
payoda> db.users.find({name:"John Doe", age:{$gt:25}});
Uncaught:
SyntaxError: Unexpected token (1:31)
> 1 | db.users.find({name:"John Doe", age:{$gt:25}});
    |                               ^
    2 |
payoda> db.users.find({name:"John Doe", age:{$gt:25}});
[ { _id: ObjectId("64cb4d3c9462c784ba7405bb"),
  name: 'John Doe',
  age: 30,
  email: 'john.doe@example.com',
  isActive: true } ]
payoda> db.users.find({name:"John Doe", age:{$gt:25}}, {isActive:1});
[ { _id: ObjectId("64cb4d3c9462c784ba7405bb"), isActive: true } ]
payoda> db.users.find({name:"John Doe", age:{$gt:25}}, {_id:0, isActive:1});
[ { isActive: true } ]
payoda> db.users.find({name:"John Doe", age:{$gt:40}}, {_id:0, isActive:1});
payoda> db.users.find({name:"John Doe", age:{$lt:40}}, {_id:0, isActive:1});
[ { isActive: true } ]
```

```
[
  {
    _id: ObjectId("64cb4d3c9462c784ba7405bb"),
    name: 'John Doe',
    age: 30,
    email: 'john.doe@example.com',
    isActive: true
  }
]
payoda> db.users.find({name:"John Doe",age:{$gt:25}},{isActive:1});
[ { _id: ObjectId("64cb4d3c9462c784ba7405bb"), isActive: true } ]
payoda> db.users.find({name:"John Doe",age:{$gt:25}},{_id:0,isActive:1});
[ { isActive: true } ]
payoda> db.users.find({name:"John Doe",age:{$gt:40}},{_id:0,isActive:1});
[]
payoda> db.users.find({name:"John Doe",age:{$lt:40}},{_id:0,isActive:1});
[ { isActive: true } ]
payoda> db.users.find({name:"John Doe",age:{$in:[20,33]}},{_id:0,isActive:1});
[]
payoda> db.users.find({name:"John Doe",age:{$in:[20,30]}},{_id:0,isActive:1});
[ { isActive: true } ]
payoda> db.users.find({name:"John Doe",age:{$gt:20,$lt:30}},{_id:0,isActive:1});
[]
payoda> db.users.find({name:"John Doe",age:{$gt:20,$lt:31}},{_id:0,isActive:1});
[ { isActive: true } ]
payoda> db.users.find({$or:[{name:"John Doe",age:{$gt:10,$lt:31}}]},{_id:0,isActive:1});
[ { isActive: true } ]
payoda> db.users.find({$or:[{name:"John Doe",age:{$gt:10,$lt:31}}]},{_id:0,name:1,isActive:1});
Uncaught:
SyntaxError: Unexpected token, expected ",", (1:56)
> 1 | db.users.find({$or:[{name:"John Doe",age:{$gt:10,$lt:31}}]},{_id:0,name:1,isActive:1});
    |                                     ^
    2 |
payoda> db.users.find({$or:[{name:"John Doe",age:{$gt:10,$lt:31}}]},{_id:0,name:1,isActive:1});
Uncaught:
SyntaxError: Unexpected token (1:37)
> 1 | db.users.find({$or:[{name:"John Doe",age:{$gt:10,$lt:31}}]},{_id:0,name:1,isActive:1});
    |                                     ^
    2 |
payoda> db.users.find({$or:[{name:"John Doe",age:{$gt:10,$lt:31}}]},{_id:0,name:1,isActive:1});
```