

# Logical Query Operators



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JS index.js x

```
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1  const mongoose = require('mongoose');
2
3  mongoose.connect('mongodb://localhost/playground')
4    .then(() => console.log('Connected to MongoDB...'))
5    .catch(err => console.error('Could not connect to MongoDB...', err));
6
7  const courseSchema = new mongoose.Schema({
8    name: String,
9    author: String,
10   tags: [String],
11   date: { type: Date, default: Date.now },
12   isPublished: Boolean
13 });
14
15 const Course = mongoose.model('Course', courseSchema);
16
17 async function createCourse() {
18
19   const nodeCourse = new Course({
20     name: 'Node.js Course',
21     author: 'Ankit',
22     tags: ['node', 'backend'],
23     isPublished: true
24   });
25   const nodeResult = await nodeCourse.save();
26   console.log(nodeResult);
27
28   const angularCourse = new Course({
29     name: 'Angular Course',
30     author: 'Ankit',
31     tags: ['angular', 'frontend'],
32     isPublished: true
33   });
34   const angularResult = await angularCourse.save();
35   console.log(angularResult);
36 }
37
38 //createCourse();
39
40 async function getCourses() {
41   // or
42   // and
43   const courses = await Course
44     .find({ author: 'Ankit', isPublished: true }) // Filtering condition
45     .find()
46     .or([ { author: 'Ankit' }, { isPublished: true } ])
47     .and([ { author: 'Ankit' }, { isPublished: true } ])
48     .limit(10) // Limit to 10 items
49     .sort({ name: 1 }) // Sorting ascending(1) or descending(-1)
```

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JS index.js x

10. Logical Query Operators &gt; mongo-demo &gt; JS index.js &gt; getCourses &gt; courses

```
39
40 async function getCourses() {
41   // or
42   // and
43   const courses = await Course
44     .find({ author: 'Ankit', isPublished: true }) // Filtering condition
45     .find()
46     .or([ { author: 'Ankit' }, { isPublished: true } ])
47     .and([ { author: 'Ankit' }, { isPublished: true } ])
48     .limit(10) // Limit to 10 items
49     .sort({ name: 1 }) // Sorting ascending(1) or descending(-1)
50     .select({ name: 1, tags: 1 }); // Return only the listed values
51   console.log(courses);
52 }
53
54 getCourses();
```

