

Tutorial-03

CRUD with Nodejs

1. Create and Emit a custom event that checks whether the age of the person is greater than 18 or not depending on the date of birth passed to the event.
2. Create a node script that gets the parameters using the GET method from the form.html file and log it on the console.
3. Create a node script that gets the parameters using POST method from the form.html file and log it on console.
4. Create mongodb for students and nodejs that connects to mongodb using mongojs module.(install mongojs and nodemon packages).
[Student document must contain: s_id,s_name, s_branch, s_city, s_mobilenos, s_add]
5. Modify the above created script to insert static data in student db.
6. Create a nodejs that fetches all the documents from student db and logs it on the console.
7. Modify the program 6, in order to save records from the form.html file.
8. Create a nodejs script to update student records based on the student id.
9. Create a nodejs script to delete student records based on student id.

```
var event = require('events');
```

```
var em = new event.EventEmitter();
```

```
em.on("myEvent",(data)=>{  
  console.log(data);  
})
```

```
em.on("checkAge",(age)=>{  
  if(age>18)  
  {  
    console.log("eligible");  
  }  
  else  
  {  
    console.log("Not eligible")  
  }  
})
```

```
em.emit('checkAge',22)
```

```
em.emit('myEvent',"This is my data");
```

```
const express = require('express')  
var router = express.Router();  
var Movie = require('./Model/movies')
```

```
router.get('/movies',async(req,res)=>{
  const iMovie = await Movie.find();
  res.send(iMovie);
})

// for posting data
router.post('/movies',async(req,res) => {
  const iMovie = new Movie({
    name:req.body.name,
    rating:req.body.rating
  })

  console.log(iMovie);

  await iMovie.save((err,msg)=>{
    if(err){
      res.send(err);
    }
    else{
      res.send(msg);
    }
  });
})
module.exports = router;
```

The screenshot displays the MongoDB Compass web interface. The top navigation bar includes tabs for Overview, Real Time, Metrics, Collections (selected), Search, Profiler, Performance Advisor, Online Archive, and Cmd Line Tools. Below the navigation bar, the left sidebar shows a tree view of databases and collections. The main panel is titled 'Student.movies' and displays the following information:

- STORAGE SIZE: 36KB
- TOTAL DOCUMENTS: 5
- INDEXES TOTAL SIZE: 36KB

Below this information, there are tabs for Find, Indexes, Schema Anti-Patterns, Aggregation, and Search Indexes. The 'Find' tab is active, showing a filter bar with the text '{ field: 'value' }'. Below the filter bar, the 'QUERY RESULTS: 1-5 OF 5' are displayed. The results are shown in a table format with the following data:

Document
{ "_id": "629ee8a8943caa2abbf9ccec", "name": "kgf2", "rating": "5" }
{ "_id": "629ee901943caa2abbf9cced", "name": "Infinity War", "rating": "4" }
{ "_id": "629ee91c943caa2abbf9ccce", "name": "Pushpa" }

At the bottom right of the interface, there is a chat icon.

Home Workspaces API Network Explore Search Postman Invite Upgrade

My Workspace New Import Overview POST http://localhost:3000/ + ... No Environment

Collections +

APIs

Environments

Mock Servers

Monitors

Flows

History

Create a collection for your requests

A collection lets you group related requests and easily set common authorization, tests, scripts, and variables for all requests in it.

Create collection

http://localhost:3000/api/movies?name=kgf3&rating=4 Save

POST http://localhost:3000/api/movies?name=kgf3&rating=4 Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	name	kgf3			
<input checked="" type="checkbox"/>	rating	4			
	Key	Value	Description		

Body Cookies Headers (7) Test Results 200 OK 605 ms 303 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "name": "movie",
3   "rating": 4,
4   "_id": "62b6cc9de085a788f8c5539c",
5   "__v": 0
6 }
```

RKU Canvas Gmail YouTube Swift ERP NCET LOGO JSON ANDROID Wallpapers Access

```
[{"_id":"629ee8a8943caa2abbf0cc0c","name":"kgf2","rating":5}, {"_id":"629ee901943caa2abbf0cc0d","name":"Infinity War","rating":4}, {"_id":"629ee91c943caa2abbf0cc0e","name":"Pushpa","rating":3}, {"_id":"629ee98a943caa2abbf0ccf0","name":"3 Idiot","rating":5}, {"_id":"62b548062ad7e5f8fef5a6f8","name":"movie","rating":4,"__v":0}, {"_id":"62b6cc9de085a788f8c5539c","name":"movie","rating":4,"__v":0}]
```