

Connect node with mongodb | mongodb npm

Node JS Tutorial in Hindi #45 Connect node with mongodb | mongodb npm



Connect MongoDB with Node.js

Install MongoDB NPM Package

Before connecting MongoDB with Node.js, you need to install a package. You can use either:

`mongodb` (official native driver)

or `mongoose` (ODM library – Object Document Mapper)

Install Command:

```
npm i mongodb
```

Verify the Installation

After installing, check your package.json file.

It should show:

```
"dependencies": {  
  "mongodb": "^<version>"  
}
```

This means the package is successfully installed.

MongoDB Should Be Running

Important: Before connecting, ensure MongoDB is **running locally** on your system.

You can start MongoDB using this command (for macOS users with Homebrew):

```
brew services start mongodb-community@8.0
```

Once MongoDB is running, we can connect to it using our Node.js code.

Define DB Name and URL

Before writing the logic, define:

Database Name (e.g., school)

MongoDB URL (default is `mongodb://localhost:27017`)

Create Server and Connect MongoDB

```
import express from "express";
import { MongoClient } from "mongodb";

// Define DB name and MongoDB URL
const dbName = "school";
const url = "mongodb://localhost:27017";

// Create MongoDB client
const client = new MongoClient(url);

// Create async function for DB connection
async function dbConnection() {
    await client.connect(); // connect to MongoDB
    const db = client.db(dbName); // select the database
    const collection = db.collection("students"); // get collection

    const result = await collection.find().toArray(); // get all data

    console.log(result); // log result
}

// Call connection function
dbConnection();

// Create express app
const app = express();
```

Code Does

Connects your Node.js app to MongoDB.

Accesses a database called school.

Fetches all documents from the students collection.

Logs the result in the terminal.

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