CREATE SERVER TEST DEMO COMBINE MTTQ

1. Building project demo:

* Step 1: creating a folder my-node-project then we go there.

mkdir my-node-project

cd my-node-project

* Step 2: initialize the project

npm init -y

This creates a package.json file with default settings.

* Step 3: install express

npm install express

* Step 4: create file index.js/server.js

// index.js

const express = require('express');

const app = express();

const PORT = 3000;

app.get('/', (req, res) => {

res.send('Hello from your Node.js server!');

});

app.listen(PORT, () => {

console.log(`Server running at http://localhost:${PORT}`);

});

* Step 5: run the server by command: node index.js
* Step 6: install nodemon (auto-restart server on changes)

npm install --save-dev nodemon

Then open file package.json and update the “scripts”:

“scripts” : {

“start”: “node index,js” // index.js / server.js

“dev”: “nodemon index.js”

}

* Step 7: install Mongodb by mongoose and use mongodb atlas

npm install mongoose

Then Connection String, e.g:

mongodb+srv://<username>:<password>@cluster0.mongodb.net/mydb?retryWrites=true&w=majority

Create file connect to db connectString.js

const mongoose = require('mongoose');

mongoose.connect('mongodb://localhost:27017/myapp', {

useNewUrlParser: true,

useUnifiedTopology: true

})

.then(() => console.log('✅ Connected to MongoDB'))

.catch(err => console.error('❌ MongoDB connection error:', err));