Chit 13

1. Create a folder
2. Open a terminal in that folder
3. Command :- npm init -y //This will create a package.json file for your node project
4. Command:- npm install express mongoose body-parser
   1. Express is used for scripting in node env
   2. Mongoose is used for database connectivity
   3. Bady-parser is used to access bosy of the request being sent to our node server
5. Create your database
6. Create a file name index.js for node server
7. Index.js file Content :-

const express = require('express');

const bodyParser = require('body-parser');

const mongoose = require('mongoose');

const app = express();

const PORT = process.env.PORT || 3000;

// Middleware

app.use(bodyParser.json());

// Connect to MongoDB

mongoose.connect('mongodb://localhost:27017/db\_name',()=> {

console.log(‘Db connected’);

});

// Define Schema

const userSchema = new mongoose.Schema({

name: String,

email: String

});

// Define Model

const User = mongoose.model('User', userSchema);

// CRUD Operations

// Create

app.post('/users', async (req, res) => {

try {

const newUser = new User(req.body);

const savedUser = await newUser.save();

res.json(savedUser);

} catch (error) {

res.status(500).json({ message: error.message });

}

});

// Read

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

try {

const users = await User.find();

res.json(users);

} catch (error) {

res.status(500).json({ message: error.message });

}

});

// Update

app.put('/users/:id', async (req, res) => {

try {

const updatedUser = await User.findByIdAndUpdate(req.params.id, req.body, { new: true });

res.json(updatedUser);

} catch (error) {

res.status(500).json({ message: error.message });

}

});

// Delete

app.delete('/users/:id', async (req, res) => {

try {

await User.findByIdAndDelete(req.params.id);

res.json({ message: 'User deleted successfully' });

} catch (error) {

res.status(500).json({ message: error.message });

}

});

// Start the server

app.listen(PORT, () => {

console.log(`Server is running on port ${PORT}`);

});

1. Command:- node index.js //Enter this to run the server on the desired port
2. Use postman or any proxy frontend to check the API’s
   1. Create a new request . example :- To create a user
   2. Choose the method for request :- example ;- POST
   3. Enter the location of node server api to test. example:- <http://localhost:3000/users>
   4. Write a simple request body in postman editor. example:-{name:”arman”,email:”xyz@email.com”}
   5. Find and Hit that RUN button.