1. mkdir my-node-api
2. cd my-node-api
3. npm init –y
4. npm install mysql2 -> only data base connection
5. npm install express mysql2 body-parser -> server api’s connection

my-node-api

├── src

│ ├── config

│ │ └── db.js

│ ├── controllers

│ │ └── userController.js

│ ├── services

│ │ └── userService.js

│ ├── repositories

│ │ └── userRepository.js

│ └── index.js

└── package.json

**DB CONNECTION -> src/config/db.js**:

const mysql = require('mysql2');

const connection = mysql.createConnection({

host: 'localhost',

user: 'root',

password: 'root',

database: 'raju'

});

connection.connect(error => {

if (error) {

console.error('Error connecting to the database:', error.stack);

return;

}

console.log('Connected to the database as id ' + connection.threadId);

});

module.exports = connectionss;

change project name cmd ->mv node-mysql-api

**React js and Node Js and Mysql**

**my-app/**

**│**

**├── client/ # React.js frontend**

**│ ├── src/**

**│ │ ├── components/**

**│ │ │ └── Register.js**

**│ │ ├── App.js**

**│ │ ├── index.js**

**│ │ └── ...**

**│ ├── public/**

**│ ├── package.json**

**│ └── ...**

**│**

**├── server/ # Node.js backend**

**│ ├── controllers/**

**│ │ └── user.controller.js**

**│ ├── models/**

**│ │ └── user.model.js**

**│ ├── config/**

**│ │ └── db.config.js**

**│ ├── routes/**

**│ │ └── user.routes.js**

**│ ├── server.js**

**│ ├── package.json**

**│ └── ...**

**│**

**└── ...**

**commands give me**

1. mkdir my-app -> project name
2. cd my-app
3. mkdir server
4. cd server
5. npm init –y
6. **npm install express mysql2 body-parser cors**
7. mkdir config
8. touch config/db.config.js
9. mkdir models
10. mkdir routes
11. touch server.js
12. cd ..
13. npx create-react-app client
14. cd client
15. npm install axios
16. mkdir -p src/components
17. touch src/components/Register.js -> e type vundali touch src/components/Register.js
18. **touch src/App.js**
19. **cd client**
20. **npm run build**
21. **cd ../server**
22. **node server.js**
23. <http://localhost:5000>