**Day 6:**

With help of **json-server** node js module we can create duppy rest api. we can consume those rest api using react js. (if we create own rest api we can store, delete, update and retrieve like backend technologies). CRUD Operation (Create, Read, Update and Delete etc).

Create the file with any name with extension must be json

Like

db.json

employees.json

customers.json

**db.json**

{

    "employees":[

        {"id":100,"name":"John","salary":45000},

        {"id":101,"name":"Steven","salary":48000},

        {"id":102,"name":"Raj","salary":42000},

        {"id":103,"name":"Amir","salary":46000}

    ]

}

To run this file we need to install node js external module ie **json-server**

**npm install json-server -g**

-g means globally

Once you installed that module

You need to run the command as to make db.json file as duppy server

**json-server db.json**

or

without installed we can run json-server with help of npx command

**npx json-server db.json**

now we will create new react js project. With help of React JS project we do CRUD Operation on db.json file running using json-server command.

**npx create-react-app react-employee-crud-operations**

**cd react-employee-crud-operations**

**npm install axios**

**open the project in VS code**

**if you want to store data using axios in json file or backend technologies.**

**We need to use post method.**

**Get method : get the data from json file or live/fake rest api**

**Post method : store the data in json file or in database using backend technologies.**

**Delete method : delete the data from json file or in database using backend technologies.**

**Put method : put method is use to update existing record from json file or in database using backend technologies**

**Syntax for post method**

**axios.post(url,jsonData).then(result=>console.log(result)).catch(error=>console.log(error));**

**in rest api we can delete the record using axios.delete() method**

**in Json Server we can delete using only id property no other property. But if we develop backend technologies using any language with any database we write logic to delete the record using other property.**

**React component contains 2 types of variables**

1. **State**
2. **Props : props is a type of variable which generally use to pass the value from one component to another component. props is known as immutable property.**

**npx create-react-app react-with-props**

**cd react-with-props**

**open the project in VS code**

**App --🡪Root component**

**Employee -🡪 Parent component**

**EmployeeDetails 🡪 Child component**