**ASSIGNMENT- Teaching Assistant (Full Stack Development (MERN))**

1. **Write a MongoDB query to find all documents in a collecƟon where a parƟcular field has a value greater than a certain value.**

db.collectionName.find({ field: { $gt: value } })

eg..

db.products.find({ price: { $gt: 100 } })

1. **Write a simple Express.js route that takes in a parameter from the URL and returns it as a response.**

index.js

const express = require("express");

const app = express();

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

res.send("Hello this is my server , enter parameter after /");

});

app.get("/:param", (req, res) => {

const param = req.params.param;

res.send(`The parameter is ${param}`);

});

app.listen(3000, console.log("App is running on port 3000"));

1. **Write a React component that renders a list of items fetched from an API.**

App.js­

import { useEffect, useState } from "react";

import "./App.css";

function App() {

const [userData, setUserData] = useState([]);

useEffect(() => {

fetchData();

}, []);

async function fetchData() {

await fetch("https://jsonplaceholder.typicode.com/users/")

.then((res) => res.json())

.then((data) => {

setUserData(data);

console.log(userData);

});

}

return (

<div>

<h1>Data List</h1>

{userData.map((user) => (

<h3 key={user.id}>{user.name}</h3>

))}

</div>

);

}

export default App;