THEORY Assignment

✓ Jsx in react

• **Question 1: What is JSX in React.js? Why is it used?**
JSX (JavaScript XML) is a syntax used in React that looks like HTML. It lets you write UI code more easily inside JavaScript. JSX makes the code simpler, more readable, and lets you mix HTML with JavaScript logic.

• **Question 2: How is JSX different from regular JavaScript? Can you write JavaScript inside JSX?**
JSX looks like HTML but runs inside JavaScript. Unlike regular JavaScript, JSX lets you return UI elements (like <div>, <h1>) directly. Yes, you **can** write JavaScript inside JSX using **curly braces {}** for things like variables, functions, or expressions.

• **Question 3: Discuss the importance of using curly braces {} in JSX expressions.**
Curly braces {} in JSX are used to insert **dynamic JavaScript values** like variables or functions into your UI. For example:

const name = "Iliyas";

<h1>Hello, {name}!</h1> // Output: Hello, Iliyas!

Without {}, JSX treats everything as plain text, so {} is needed to add logic or dynamic data.