

# Task6.2

## 1- What is React?

ReactJS is a **component-based** JavaScript library developed by Facebook. It is used to build dynamic and interactive user interfaces. It simplifies the creation of single-page applications (SPAs) with a focus on performance and maintainability.

## 2- Why we use React?

React is simple to learn, has a clean API, and makes coding faster with JSX instead of mixing too much HTML and JS.

You can use React for web, mobile, VR, and even desktop apps with the same skills.

Reusable Components and High performance.

## 3- React is a framework or library? and why?

React is categorized as a library because it provides a collection of tools, including components and functions, for use, without enforcing strict rules or structures for building the entire application. Unlike frameworks, React doesn't dictate how to structure your whole application, it only focuses on the UI.

## 4- When we use React?

We use React when we need to build complex and dynamic user interfaces, for **large-scale applications** that must be flexible and easy to maintain, when we want **high-performance apps** with fast rendering and we use React for **cross-platform development** (web, mobile, and desktop).