**What is React ?**

React is a front-end and open-source **JavaScript library which is useful in developing user interfaces** specifically for applications with a single page .

**Different between Library & Framework ?**

**Library**: A library is like a toolset. You pick and choose what tools (functions or methods) you need and control how to use them. **You are in charge** of your program's flow, and the library just helps you with specific tasks.

**Framework**: A framework is like a pre-built structure or template. It provides a foundation and controls the flow of your program. **You follow its rules and fill in the gaps** to make your application.

**Control**: With a library, you are in control. With a framework, the framework is in control.

**What is Hooks ?**

A React Hook is a **JavaScript function** that allows developers to use React features without writing a class component .

**What Is Ref ?**

Refs is an attribute or property that provides a way to directly access or **interact with DOM element or react component.**

* In CBC we should use the method React.createRef() & It will return ref object with key current & value as null.
* If FBC to create a ref object we can use HOOK useRef() & it will return obj with key current and value undefined.

**What is Side Effect ?**

In React, a side effect is an operation that occurs outside of a React component and interacts with the outside world . Side effects can include Data Fetching , Direct DOM Manipulations, Timers , Etc.