

Q1) Explain Life cycle in Class Component and functional component with Hooks

Ans) **React Lifecycle** is defined as the series of methods that are invoked in different stages of the component's existence. The definition is pretty straightforward but what do we mean by different stages? A React Component can go through four stages of its life as follows.

Lifecycle of React Components:

Each React Component goes through the given Phases.

1. Initialization phase

This is the stage where the component is constructed with the given Props and default state. This is done in the constructor of a Component Class.

2. Mounting Phase

Mounting is the stage of rendering the JSX returned by the render method itself.

3. Updating

Updating is the stage when the state of a component is updated and the application is repainted.

4. Unmounting

As the name suggests Unmounting is the final step of the component lifecycle where the component is removed from the page.

React provides the developers with a set of predefined functions that if present are invoked around specific events in the lifetime of the component.