- * Explain life cycle in class component and functional component with hooks.
- 1. Class Components:
 - Mounting Phase:
 - constructor(): Initializes state and binds event handlers.
 - componentWillMount(): Deprecated. Called before rendering, mainly used for setting up subscriptions and starting API requests.
 - render(): Renders JSX.
 - componentDidMount(): Called after the component is rendered to the DOM. Used for making AJAX requests and setting up subscriptions.
 - Updating Phase:
 - shouldComponentUpdate(): Returns true or false based on whether the component should re-render or not.
 - componentWillUpdate(): Deprecated. Called just before rendering when new props or state are being received.
 - render(): Renders updated JSX.
 - componentDidUpdate(): Called after the component's updates are flushed to the DOM.
 - Unmounting Phase:
 - componentWillUnmount(): Called just before the component is unmounted from the DOM. Used for cleanup tasks like cancelling network requests or removing event listeners.

2. Functional Components with Hooks:

- Mounting Phase:
 - o useState(): Initializes state.
 - useEffect(): Acts similarly to componentDidMount() and componentDidUpdate(). It russssns after every render and is used for handling side effects.
- Updating Phase:
 - o useState(): Updates state.
 - o useEffect(): Runs again after every update.
- Unmounting Phase:
 - useEffect(): Cleanup function can be specified within 'useEffect()' to handle unmounting tasks.