## **Objectives**

* Explain various ways of conditional rendering

The if...else statement, the ternary operator (condition? element1 : element2), the logical AND (condition && element), element variables to store JSX prior to rendering, and returning null to conceal a component are some of the methods for conditional rendering in React.

* Explain how to render multiple components

React allows you to render multiple components by wrapping them in a single parent element, such as a <div> or a React.Fragment, and including them all in the return statement of a parent component.

For instance:

<>

<Header />

<Content />

<Footer />

</>

* Define list component

In React, a list component is a component made to show a group of related items. It is usually created by converting an array into a list of JSX elements using the JavaScript map() function.

* Explain about keys in React applications

React uses keys, which are unique string attributes, in lists to help it determine which items have been added, modified, or removed. To enhance rendering performance and prevent needless re-renders, they ought to be distinct from their siblings.

* Explain how to extract components with keys

The key should be on the component instance in the list, not inside the component itself, when extracting items from a list into a different component. This guarantees that React can accurately track every list item at the parent level.

* Explain React Map, map() function

The JavaScript map() function is frequently used in React to convert arrays into lists of JSX elements.

For instance:

const items = ["A", "B"];

const list = items.map((item, index) => <li key={index}>{item}</li>);

Create a React App named “bloggerapp” in with 3 components.

1. Book Details
2. Blog Details
3. Course Details

Implement this with as many ways possible of Conditional Rendering.

**OUTPUT:**







