## **Objectives**

* Explain React events

React events are a cross-browser wrapper called SyntheticEvent that encapsulates DOM events. They enable consistent handling of user interactions across various browsers, including keystrokes, mouse movements, form submissions, and clicks.

* Explain about event handlers

In React, event handlers are functions that run in reaction to events or user input. They are passed to elements as props and can be defined inline or as independent functions (onClick={handleClick}, for example). Event handlers have the ability to call APIs, update states, and initiate user interface modifications.

* Define Synthetic event

In React, a SyntheticEvent is an object that normalizes the native browser event, guaranteeing that its methods and properties are the same in every browser. Regardless of the environment, it functions in the same manner and wraps the native event.

* Identify React event naming convention

Unlike HTML, which uses lowercase event names, React uses camelCase. For instance, onclick in HTML becomes onClick in React, and onchange becomes onChange. For clarity, event handler functions are typically named with "handle" or "on" at the beginning, such as handleSubmit.

Create a React Application “eventexamplesapp” to handle various events of the form elements in HTML.

1. Create “Increment” button to increase the value of the counter and “Decrement” button to decrease the value of the counter. The “Increase” button should invoke multiple methods.
   1. To increment the value
   2. Say Hello followed by a static message.
2. Create a button “Say Welcome” which invokes the function which takes “welcome” as an argument.
3. Create a button which invokes synthetic event “OnPress” which display “I was clicked”

Create a “CurrencyConvertor” component which will convert the Indian Rupees to Euro when the Convert button is clicked.

Handle the Click event of the button to invoke the handleSubmit event and handle the conversion of the euro to rupees.

**OUTPUT:**











