**11. ReactJS-HOL – Documentation**

**Objective :**

* Implement Event handling concept in React applications
* Use this keyword
* Use synthetic event

**Prerequisties :**

The following is required to complete this hands-on lab:

* Node.js
* NPM
* Visual Studio Code

**Project Folder Name :**

* Eventexamplesapp

**Formula Used :**

* EUR = INR × 0.00985

**Application Components**

1. EventExample Component

Purpose:

This class-based component is designed to showcase different types of event handling in React.

Features & Behaviors:

* Counter Management:
  + Increment button increases count state.
  + Also invokes a secondary function (sayHello) to log a message.
* Decrement Button:
  + Decreases the counter value.
* Welcome Button:
  + Invokes a method that accepts an argument ("Welcome") and displays a message in the console.
* Synthetic Event Trigger:
* Clicking a specific button invokes a synthetic event using the e object and e.preventDefault().

2. CurrencyConvertor Component

Purpose:

A functional React component that enables users to convert Indian Rupees into Euros using a fixed exchange rate.

Features & Behaviors:

* Input Field:
  + Controlled input for entering the amount in INR.
* Convert Button:
  + Triggers a function (handleSubmit) that calculates the converted Euro value and stores it in state.
* Dynamic Rendering:
* Displays Euro equivalent only after conversion is complete.

**Procedure :**

(Follow up the steps given in hands on)

**Output Snapshot :**



