

Digital Nurture 7.0 Deep Skilling

Week 7

Hands on 3:

Create a React application named **"event examples app"** to handle various form events.

- Include an **"Increment"** button to increase a counter and a **"Decrement"** button to decrease it.
- The "Increment" button should invoke multiple methods:
 - One method to increment the counter value.
 - Another method to display a static message like **"Hello Member1"**.
- Create a **"Say Welcome"** button that invokes a function taking **"Welcome"** as an argument and displays it.
- Add a **"Click on me"** button that demonstrates a **synthetic event**, showing the message **"I was clicked!"** when triggered.
- Create a separate component named **"Currency Converter"**.
 - This component should include two input fields: one for **amount in Indian Rupees** and another for the **target currency** (e.g., Euro).
 - Include a **"Submit"** button that, when clicked, triggers the **handle Submit** event.
 - The event handler should simulate or alert a conversion of the given amount from rupees to the specified currency.

Code :

```
import React, { useState } from 'react';
import './App.css';
import CurrencyConverter from './CurrencyConverter';

function App() {
  const [count, setCount] = useState(0);

  const handleIncrement = () => {
    incrementValue();
    sayHello();
  };
  const incrementValue = () => {
    setCount(count + 1);
  };
  const sayHello = () => {
    alert("Hello Member1");
  };
  const handleDecrement = () => {
    setCount(count - 1);
  };
  const sayWelcome = (msg) => {
    alert(`Hello! ${msg}`);
  };
  const handlePress = () => {
    alert("I was clicked!");
  };
}
```

```

return (
  <div className="App">
    <div className="left-panel">
      <button onClick={handleIncrement}>Increment</button>
      <button onClick={handleDecrement}>Decrement</button>
      <button onClick={() => sayWelcome("Welcome")}>Say welcome</button>
      <button onClick={handlePress}>Click on me</button>
    </div>

    <div className="currency-section">
      <h2>Currency Converter!!!</h2>
      <CurrencyConverter />
    </div>
  </div>
);
}

export default App;

```

```

function CurrencyConverter() {
  const [rupees, setRupees] = useState('');
  const [euro, setEuro] = useState(null);
  const handleSubmit = (e) => {
    e.preventDefault();
    const rate = 0.011; // 1 INR = 0.011 Euro (example rate)
    const converted = (parseFloat(rupees) * rate).toFixed(2);
    setEuro(converted);
  };
  return (
    <div className="currency">
      <h2>Currency Converter</h2>
      <form onSubmit={handleSubmit}>
        <label>
          Enter amount in ₹ INR:
          <input
            type="number"
            value={rupees}
            onChange={(e) => setRupees(e.target.value)}
            required
          />
        </label>
        <button type="submit">Convert</button>
      </form>
      {euro && (
        <p>₹ Equivalent in Euro: €{euro}</p>
      )}
    </div>
  );
}

```

Output :

Increment

Decrement

Say welcome

Click on me

Currency Converter!!!

Currency Converter

Enter amount in ₹ INR:

Convert

Increment

Decrement

Say welcome

Click on me

Currency Converter!!!

Currency Converter

Enter amount in ₹ INR:

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Convert



Equivalent in Euro: €0.13

