

Week - 7

11. ReactJS-HOL

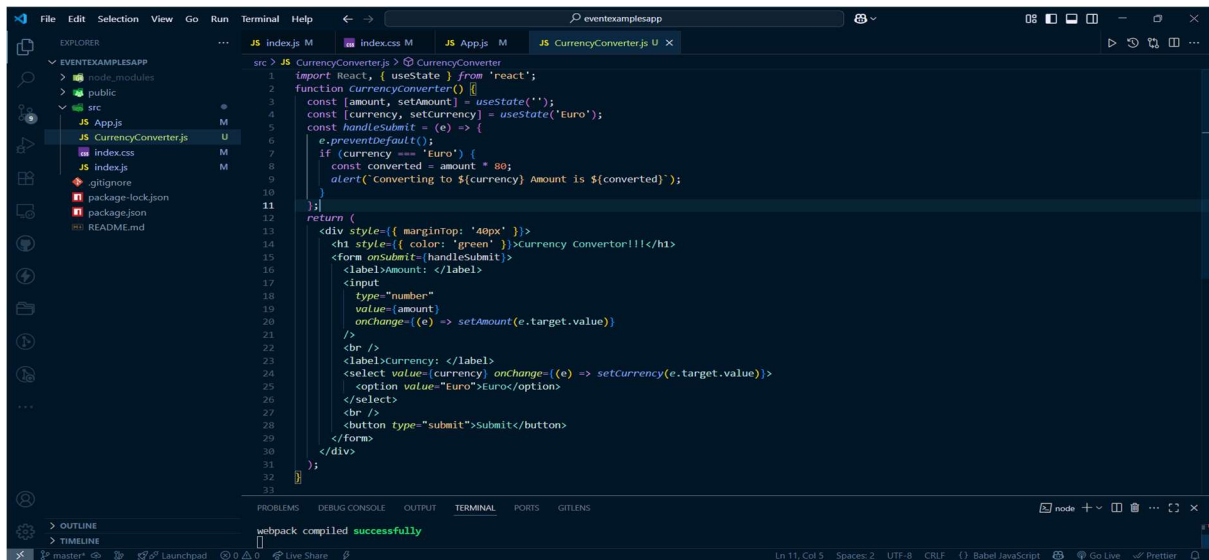
Create a React Application “eventexamplesapp” to handle various events of the form elements in HTML.

App.css

```
src > JS App.js > App > sayWelcome
You, 11 seconds ago | 1 author (You)
1 import React, { useState } from 'react';
2 import CurrencyConverter from './currencyConverter';
3 import './index.css';
4 function App() {
5   const [count, setCount] = useState(1);
6   const handleIncrement = () => {
7     incrementValue();
8     sayHello();
9   };
10  const incrementValue = () => {
11    setCount(count + 1);
12  };
13  const decrementValue = () => {
14    setCount(count - 1);
15  };
16  const sayHello = () => {
17    alert('Hello!');
18  };
19  const sayWelcome = (message) => {
20    alert('Message: ${message}');
21  };
22  const handleClick = (e) => {
23    alert('I was clicked!');
24  };
25
26  return (
27    <div className="app-container">
28      <h1 className="counter">Counter: {count}</h1>
29
30      <div className="btn-group">
31        <button onClick={handleIncrement}>Increment</button>
32      </div>
33    </div>
34  );
35
36  <CurrencyConverter />
37
38  </div>
39
40  export default App;
```

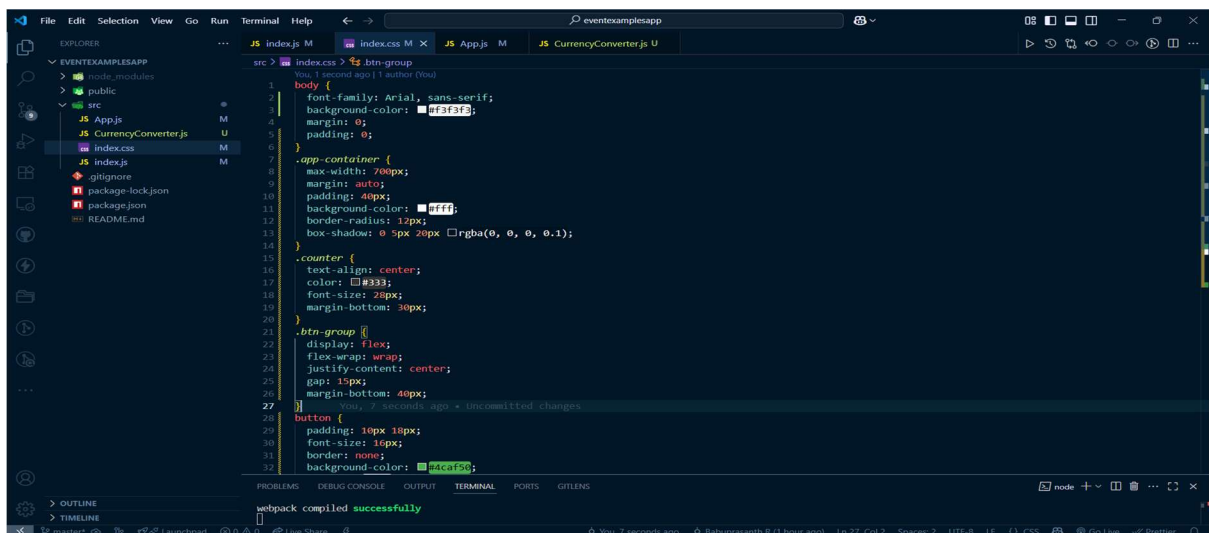
```
src > JS App.js > App > sayWelcome
You, 12 seconds ago | 1 author (You)
4 function App() {
5   const [count, setCount] = useState(1);
6   const handleIncrement = () => {
7     incrementValue();
8     sayHello();
9   };
10  const incrementValue = () => {
11    setCount(count + 1);
12  };
13  const decrementValue = () => {
14    setCount(count - 1);
15  };
16  const sayHello = () => {
17    alert('Hello!');
18  };
19  const sayWelcome = (message) => {
20    alert('Message: ${message}');
21  };
22  const handleClick = (e) => {
23    alert('I was clicked!');
24  };
25
26  return (
27    <div className="app-container">
28      <h1 className="counter">Counter: {count}</h1>
29
30      <div className="btn-group">
31        <button onClick={handleIncrement}>Increment</button>
32        <button onClick={decrementValue}>Decrement</button>
33        <button onClick={() => sayWelcome("Welcome!")}>Say Welcome</button>
34        <button onClick={handleClick}>Click on me</button>
35      </div>
36
37      <CurrencyConverter />
38    </div>
39  );
40
41  export default App;
```

CurrencyConverter.js



```
1 import React, { useState } from 'react';
2 function CurrencyConverter() {
3   const [amount, setAmount] = useState('');
4   const [currency, setCurrency] = useState('Euro');
5   const handleSubmit = (e) => {
6     e.preventDefault();
7     if (currency === 'Euro') {
8       const converted = amount * 80;
9       alert('Converting to ${currency} Amount is ${converted}');
10    }
11  }
12  return (
13    <div style={{ marginTop: '40px' }}>
14      <h1 style={{ color: 'green' }}>Currency converter!!!</h1>
15      <form onSubmit={handleSubmit}>
16        <label>Amount: </label>
17        <input
18          type="number"
19          value={amount}
20          onChange={e => setAmount(e.target.value)}
21        />
22        <br />
23        <label>Currency: </label>
24        <select value={currency} onChange={e => setCurrency(e.target.value)}>
25          <option value="Euro">Euro</option>
26        </select>
27        <br />
28        <button type="submit">Submit</button>
29      </form>
30    </div>
31  );
32}
```

Index.css



```
1 body {
2   font-family: Arial, sans-serif;
3   background-color: #f3f3f3;
4   margin: 0;
5   padding: 0;
6 }
7 .app-container {
8   max-width: 700px;
9   margin: auto;
10  padding: 40px;
11  background-color: #ffff;
12  border-radius: 12px;
13  box-shadow: 0 5px 20px rgba(0, 0, 0, 0.1);
14 }
15 .counter {
16   text-align: center;
17   color: #993333;
18   font-size: 28px;
19   margin-bottom: 30px;
20 }
21 .btn-group {
22   display: flex;
23   flex-wrap: wrap;
24   justify-content: center;
25   gap: 15px;
26   margin-bottom: 40px;
27 }
28 button {
29   padding: 10px 18px;
30   font-size: 16px;
31   border: none;
32   background-color: #4caf50;
```

Output

