

Task 1:

```
import './App.css';
import React from "react";

export default class Event extends React.Component{
  constructor(props){
    super(props)
    this.state={
      count :0
    }
  }

  increment=()=>{
    this.setState({count:this.state.count+1})
  }

  decrement=()=>{
    this.setState({count:this.state.count-1})
  }

  render(){
    return (
      <div>
        <h1>Task 1: </h1>
        <button onClick={this.increment}> ++ </button>
        <h3>Current Value: {this.state.count}</h3>
        <button onClick={this.decrement}> -- </button>
      </div>
    )
  }
}
```

Task 2:

```
import { Component } from "react";

export default class Mobile extends Component{
  constructor(props){
    super(props)
    this.state={
      mobiles: [
        { id: 1, model: "Samsung Z Flip 5", price: 59999 },
        { id: 2, model: "Samsung S23", price: 74999 },
        { id: 3, model: "Iphone 13", price: 56999 },
      ],
    }
  }
}
```

```

    }
  }
  render(){
    return(
      <div>
        <h1>Task 2</h1>
        {this.state.mobiles.map((mobile)=>(<MobileDetails
key={mobile.id} mobile = {mobile}/>))}
      </div>
    )
  }
}

```

```

class MobileDetails extends Component{
  render(){
    const {id,model,price } = this.props.mobile;
    return(
      <div>
        <h2>{id}</h2>
        <h2>{model}</h2>
        <h4>{price}</h4>
      </div>
    )
  }
}

```

Task 3:

```

import React, { Component } from 'react';

```

```

class Calc extends Component {
  constructor(props) {
    super(props);
    this.state = {
      number1: 0,
      number2: 0,
    };
  }
}

```

```

  handleChange = (event) => {
    this.setState({ [event.target.name]:
Number(event.target.value) });
  };

```

```

render() {
  return (
    <div>
      <h1>Calculator App</h1>
      <label>Number 1:</label>
      <input type="number" name="number1"
onChange={this.handleChange} />
      <br />
      <label>Number 2:</label>
      <input type="number" name="number2"
onChange={this.handleChange} />
      <br />
      <Calculator number1={this.state.number1}
number2={this.state.number2} />
    </div>
  );
}
}

```

```

class Calculator extends Component {
  render() {
    const { number1, number2 } = this.props;
    return (
      <div className="calculator-container">
        <h2>Results:</h2>
        <p>Sum: {number1 + number2}</p>
        <p>Difference: {number1 - number2}</p>
        <p>Product: {number1 * number2}</p>
        <p>Division: {number1/number2}</p>
        <p>Power: {number1**number2}</p>
      </div>
    );
  }
}

```

```

export default Calc;

```