1. *array.jsx*

```jsx
import React, { Component } from 'react';

class LoginFormClass extends Component {
  constructor(props) {
    super(props);

    this.state = {
      formData: {
        email: ',
        password: ',
      },
    };
  }

  handleChangeEvent = (e) => {
    const { name, value } = e.target;
    this.setState((prevState) => ({
      formData: {
        ...prevState.formData,
        [name]: value,
      },
    }));
  };

  handleSubmit = (e) => {
    e.preventDefault();
```

```jsx
    const { email, password } = this.state.formData;

    // Check if both email and password are non-empty before logging

    if (email && password) {

      console.log('Form Data:', this.state.formData);

      // You can add further logic for form submission here

    }

  };


  render() {

    const { email, password } = this.state.formData;


    return (

      <form onSubmit={this.handleSubmit}>

        <div>

          <label htmlFor="email">Email:</label>

          <input

            type="email"

            id="email"

            name="email"

            value={email}

            onChange={this.handleChangeEvent}

            required

          />

        </div>

        <div>

          <label htmlFor="password">Password:</label>

          <input

            type="password"

            id="password"

            name="password"
```

```jsx
            value={password}

            onChange={this.handleChangeEvent}

            required

          />

        </div>

        <button type="submit">Submit</button>

      </form>

    );

  }

}


export default LoginFormClass;
```

2. Boolean.jsx

```jsx
import React, { Component } from 'react';


class ToggleButton extends Component {

  constructor(props) {

    super(props);


    this.state = {

      isToggled: false,

    };

  }


  handleToggle = () => {

    this.setState((prevState) => ({

      isToggled: !prevState.isToggled,

    }));
```

```jsx
  };

  render() {
    return (
      <div>
        <button onClick={this.handleToggle}>Toggle</button>
        <p>{this.state.isToggled ? 'Toggle is ON' : 'Toggle is OFF'}</p>
      </div>
    );
  }
}

export default ToggleButton;
```

3. String.jsx

```jsx
import React, { Component } from 'react';

class DynamicContent extends Component {
  constructor(props) {
    super(props);

    this.state = {
      inputValue: '',
    };
  }

  handleChange = (e) => {
    this.setState({
      inputValue: e.target.value,
    });
```

```jsx
  };

  render() {
    return (
      <div>
        <label htmlFor="input">Enter Text: </label>
        <input
          type="text"
          id="input"
          value={this.state.inputValue}
          onChange={this.handleChange}
        />
        <p>The entered Text : {this.state.inputValue}</p>
      </div>
    );
  }
}

export default DynamicContent;
```

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