State and Props

➜ App.js

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

import Display from "./Display";

export default class App extends Component {
  state = { name: "React" };

  render() {
    return (

      <div>

        <center>

          <Display name={this.state.name} />

        </center>

      </div>

    );
  }
}
```

➜ Display.js

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


export default class Display extends Component {
  render() {
    return (

      <div>

        <h2>I'm from Display component</h2>

        <p>{this.props.name}</p>

      </div>

    );
  }
}
```

useEffect

```
import React, { useState, useEffect } from "react";

export default function App() {
  const [count, setCount] = useState(0);
  useEffect(() => console.log("clicked"), [count]);
  return (
    <div>
      <center>
        <p>You clicked {count} times</p>
        <button
          onClick={() => {
            setCount(count + 1);
          }}
        >
          Click Me
        </button>
      </center>
    </div>
  );
}
```

➔ Updated

In console.log, we can use <mark>console.log(count)</mark>

onChange Event Handler

```jsx
import React, { useState } from "react";


export default function App() {
  const [user, setUser] = useState("");
  const handler = (e) => {
    setUser(e.target.value);
  };
  return (
    <div>
      <center>
        <input
          type="text"
          placeholder="username"
          value={user}
          name="user"
          onChange={handler}
        />
        <br />
        {user}
      </center>
    </div>
  );
}
```

onSubmit Event Handler

```jsx
import React, { useState } from "react";

export default function App() {
  const [data, setData] = useState({ userName: "", password: "" });
  const { userName, password } = data;
  const onChange = (e) => {
    setData({ ...data, [e.target.name]: [e.target.value] });
  };

  const submitHandler = (e) => {
    e.preventDefault();
    console.log(data);
  };

  return (
    <div>
      <center>
        <form onSubmit={submitHandler}>
          <input
            type="text"
            placeholder="username"
            value={userName}
            name="userName"
            onChange={onChange}
          />
          <br />
```

```
        <input
          type="password"
          placeholder="password"
          value={password}
          name="password"
          onChange={onChange}
        />
        <br />
        <input type="submit" name="submit" />
      </form>
    </center>
  </div>
 );
}
```