

## ReactJS HOL12:

### Code:

#### 1. [App.js](#):

```
import React from 'react';

import './App.css';

// Greeting for a logged-in user

function UserGreeting(props) {

  return <h1>Welcome back</h1>;

}

// Greeting for a guest user

function GuestGreeting(props) {

  return <h1>Please sign up.</h1>;

}

// This component decides which greeting to render

function Greeting(props) {

  const isLoggedIn = props.isLoggedIn;

  if (isLoggedIn) {

    return <UserGreeting />;

  }

}
```

```
    return <GuestGreeting />;
  }

  // Login button component
  function LoginButton(props) {

    return (

      <button onClick={props.onClick}>

        Login

      </button>

    );
  }

  // Logout button component
  function LogoutButton(props) {

    return (

      <button onClick={props.onClick}>

        Logout

      </button>

    );
  }

  // This is our main stateful component
  class LoginControl extends React.Component {
```

```
constructor(props) {  
  
  super(props);  
  
  this.handleClick = this.handleClick.bind(this);  
  
  this.handleLogoutClick =  
this.handleClick.bind(this);  
  
  this.state = {isLoggedIn: false};  
  
}  
  
handleLoginClick() {  
  
  this.setState({isLoggedIn: true});  
  
}  
  
handleLogoutClick() {  
  
  this.setState({isLoggedIn: false});  
  
}  
  
render() {  
  
  const isLoggedIn = this.state.isLoggedIn;  
  
  let button;  
  
  // Conditionally render the correct button  
  
  if (isLoggedIn) {  
  
    button = <LogoutButton onClick={this.handleClick}  
>;
```

```

    } else {

        button = <LoginButton onClick={this.handleLoginClick}
/>;

    }

    return (

        <div>

            <Greeting isLoggedIn={isLoggedIn} />

            {button}

        </div>

    );

}

}

```

// The main App component now just renders our LoginControl

```

function App() {

    return (

        <div className="App">

            <header className="App-header">

                <LoginControl />

            </header>

        </div>

    );

}

```

```
export default App;
```

Output:

**Please sign up.**

Login

**Welcome back**

Logout

