Assignment 3:

Class components:

Import React, { useState } from 'react';

class ObjectComponent extends React.Component {

constructor(props) {

super(props);

this.state = {

user: {

Name: 'Poonguzhali V',

age: 18,

},

};

// Binding the handleInputChange method to the current instance

this.handleInputChange = this.handleInputChange.bind(this);

}

// Event handler to update the object state based on user input

handleInputChange(event) {

const { name, value } = event.target;

this.setState((prevState) => ({

user: {

...prevState.user,

[name]: value,

},

}));

}

render() {

const { user } = this.state;

return (

<div>

<label>

Name:

<input

type="text"

name="Name"

value={user.Name}

onChange={this.handleInputChange}

/>

</label>

<br />

<label>

Age:

<input

type="number"

name="age"

value={user.age}

onChange={this.handleInputChange}

/>

</label>

<br />

<div>

<p>User Information:</p>

<p>First Name: {user.firstName}</p>

<p>Last Name: {user.lastName}</p>

<p>Age: {user.age}</p>

</div>

</div>

);

}

}

export default ObjectComponent;