//Write a class component with constructure to update state in react using state and props. Ans:-

import React, { Component } from 'react';

class Greeting extends Component { constructor(props) {

super(props);

// Initialize state this.state = {

name: this.props.name || 'Guest'

};

}

// Method to update state based on input handleChange = (event) => {

this.setState({ name: event.target.value });

};

render() { return (

<div style={{ textAlign: 'center', marginTop: '50px' }}>

<h1>Hello, {this.state.name}!</h1>

<input

type="text" value={this.state.name} onChange={this.handleChange} placeholder="Enter your name"

/>

</div>

);

// Main App component

class App extends Component { render() {

return (

<div>

<Greeting name="User" />

</div>

);

}

}