**Props and State**

1. What are props in React.js? How are props different from state?

* **Props** are immutable values passed from parent to child components. They are used to configure a component's behavior and appearance.
* **State** is mutable data managed within a component. It is used to store and update data that changes over time, triggering re-renders.

1. Explain the concept of state in React and how it is used to manage component data.

* **State** is a mechanism for managing data changes within a component.
* It is declared in the component's constructor or using the **useState** hook.
* When the state changes, React re-renders the component and its children.

1. Why is this.setState() used in class components, and how does it work?

* this.setState() is used to update the state of a class component.
* It takes an object containing the new state values as an argument.
* React merges the new state with the existing state and re-renders the component.