**State in React**

**What is State?**

* State is a built-in object of the React Components.
* The state object is used to store all the data that belongs to that particular component only.
* The state is only accessible inside the component it belongs to.
* State is mutable, it can be changed as per need.
* Whenever the state object changes the component is re-rendered.
* To use state inside a class component "this.state" is used.
* To use state inside a functional component "useState" hook is used.

**Class based comp -**

**a. Constructor () -**

i. In React, a constructor is a special method in a class component that is called when the component is created.

ii. It is used to initialize the component's state and bind event handlers. (pure js function)

**b. super**

i. In React class-based components, super refers to the parent class

ii. It is used to access the properties and methods of the parent class.

iii. When you extend a React component using the extends keyword, you are creating a subclass of the parent component.

iv. The super keyword allows you to access the parent component's

**c. this.state -**

i. In React, this.state refers to the state object of a class component.

ii. this.state is used to store the component's initial state, which is not shared with other components.

**d. this.setState -**

i. In React, this.setState is a method used to update the state of a class component.

ii. It is used to modify the component's state object by merging new state with the previous state.