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Experiment No: 7.

Him: To implement concept of props and state

Theory: Obsops :-

props is short for properties and they are used to pass data between React components. React's data flow between components is uni-directional cfrom parent to child only).

firstly, we need to define get some data from the parent component and assign it to a child component's "prop" attribute.

Destate: React has another special built-in object alrealled state, which allows components to create and manage their own data. so Unlike props, component cannot pass data with state, but they can create and manage it internally state should not be modify directly but it can be modified with a special method called setstate ().

A change in the state happens based on userinput, triggering an event, and so on. Also,
React components (with state) are rendered
based on the data in the state state hold
the initial information.

**EXCELLENT** 

i) Component receive data from outside with props, whereas they can create and manage their own data with state.

ii) Props are used to pass data, whereas state is for managing data.

iii) Data from props is read-only, and cannot be modified by a component that i's receiving it from outside.

iv) State data can be modified by its own component, but is private (cannot be accased) from outside)

v) Props can only be passed from parent component to child (unidirectional flow) vi) Modifying state should happen with setstate() method.

Conclusion: - Hence, Concept of props and state is implemented and explained successfully.

