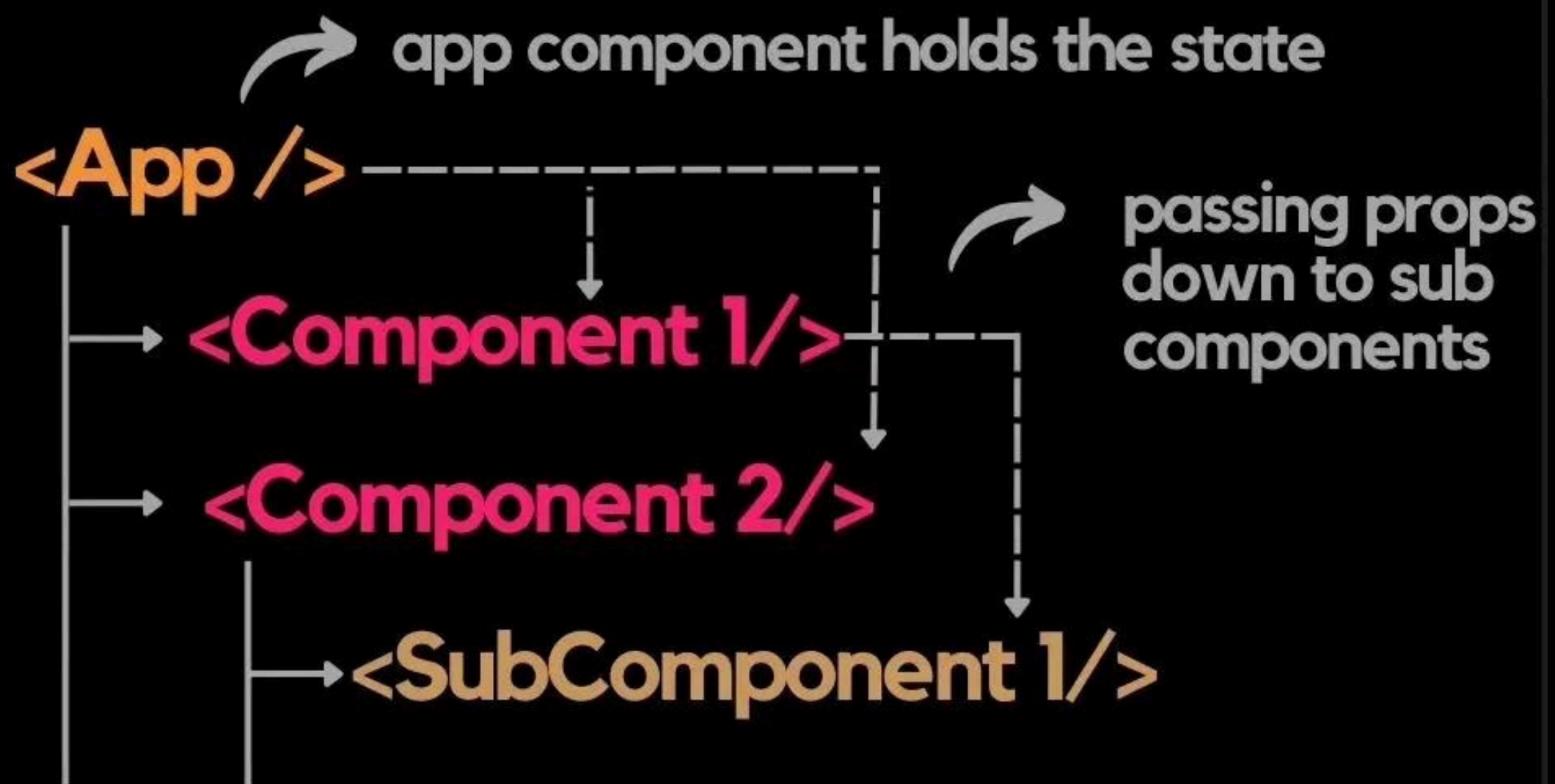
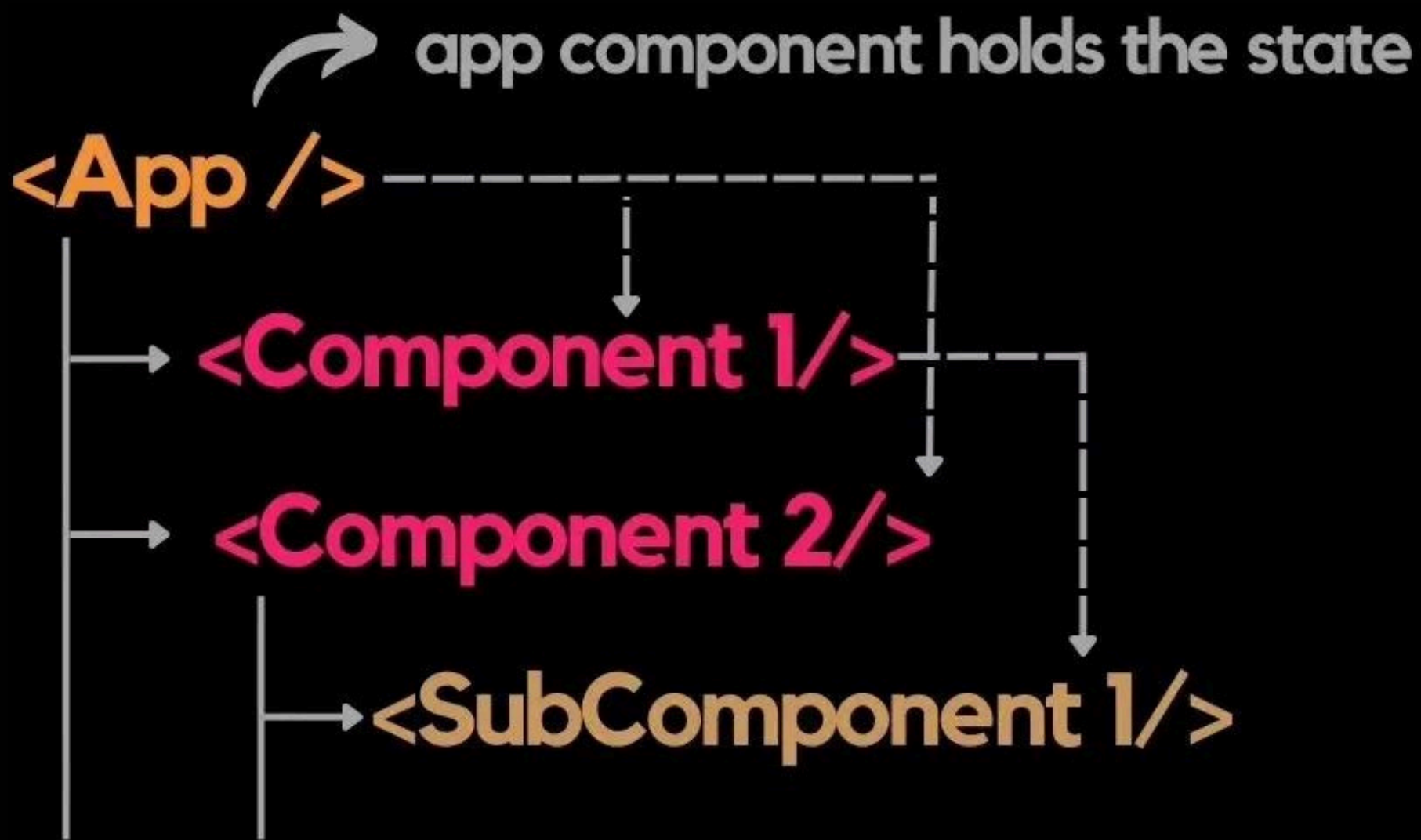


**What is
Redux ?**

you have a react app where component tree is like this :-





- here the state is passed from Root Component to Sub Components
- because component needs the same state to use and render

- **in this case and similar cases where mostly all Components are using same state we should use Redux rather than passing props (Prop Drilling)**

So, Redux is basically  a store where all state are stored

store

<App />

<Component 1 />

<Component 2 />

<SubComponent 1 />

now, every component can get and update the state directly from store

store

<App />

<Component 1 />

<Component 2 />

<SubComponent 1 />

- by this, all the components can work with the same data simultaneously without passing props from root to deeply nested components

- prop drilling (root to deeply nested)
badly affects the performance of the
app
- also, making changes to component
hierarchy will introduce bugs
- so , is Prop Drilling is all bad ...

lets see



- prop drilling is fine if your app has few components (2 - 4)
- use Context API when your app has a long component hierarchy and simple and lightweight data to store
- context is same as Redux. Context comes with React by default not like Redux which needs to be installed
- use Redux when you have a large project with a large number of components using complex logics and multiple state
- use Redux for big projects



FOLLOW