**Day 8 React JS 12 Jan. 25**

**React Context API :**

Product

In all component maintain the relationship

1. Parent to child : using props we can share the data between parent to child.
2. Child to parent : child to parent using props with callback functions.
3. Sibling : 1st child share the data with help of props with callback function and parent share the data to 2nd child using props.

If we declare any state variable in function component with help useState hook. The visibility or accessibility of that state variable within that component. because state variable consider as local variable. If we want to share state variable of any type number, Boolean, string, object, array or array object type between one component to another component. we need to understand the relationship between those components.

App 🡪 Root parent

Parent -🡪 name = “Akash Kale”;(state variable)

Props

Child1 Child2

props

Child3 Child4 Child5 Child6

Child7 Child8 Child9 Chld10

Context API is a part of react, it is features of react which help to share the data of any type across the component tree without having to pass props down manually (props drilling) at every level.

npx create-react-app context-api-simple-app

cd context-api-simple-app

createContext(): this hook part of react which help to create the context api reference.

In Parent component we need to wrap MyContext reference with Sub Property as Provider to enable context features tree structure which comes under the parent component.

To Access the value in each children without remembering their level of relationship we need to use another hook as

useContext();

using context api we do meaning full operation

npx create-react-app react-context-api-operations