Context API

(1) What is the Context API in React? How is it used to manage global state across multiple components?

(ans) the Context API in React is a feature that lets you manage global state and share data across multiple components without passing props down through each level of the component tree. It provides a way to share data between components not directly related to each other in the component hierarchy.

1. Explain how createContext() and useContext() are used in React for sharing state.

(ans) to share state across react components with context we will first create a context with createcontext() method. Wrap the app component with provider for supplying the state. We will be using the usecontext() hook to access and modify the state in the child components.