**Explain the need and Benefits of React Context API**  
The React Context API is used to share data across multiple components without the need to pass props manually through every level of the component tree. It is especially useful when dealing with global data such as user authentication, themes, or language settings. The benefits of using the Context API include reduced prop drilling, improved code readability, centralized state management for specific parts of the application, and easier maintenance when data needs to be accessed by deeply nested components.

**Working with createContext()**  
The createContext() function is used to create a Context object in React. This object includes a Provider component, which holds the shared data and allows any descendant component to access it using the Consumer component or the useContext hook in functional components. The basic steps involve:

1. Creating a context using const MyContext = React.createContext();
2. Wrapping components in a <MyContext.Provider value={...}>
3. Accessing the context in child components using useContext(MyContext) or <MyContext.Consumer>

**List the types of Router Components**  
The main types of router components provided by React Router are:

* BrowserRouter: Uses the HTML5 history API to handle clean and dynamic URL navigation. It is suitable for standard web applications where server support for route paths is available.
* HashRouter: Uses the URL hash (#) to simulate different paths. It is useful for static file servers where traditional server-side routing is not configured.
* MemoryRouter: Stores the routing history in memory rather than in the URL. It is typically used in testing environments or non-browser platforms like React Native.