

1. What is the purpose of React Context API?
2. How does React Context help avoid prop drilling in React applications?
3. Explain the difference between using Context and passing props down the component tree.
4. How is a context object created in React?
5. What are the components provided by a context object?
6. How is context data provided to components using the Provider component?
7. What is the Consumer component used for in React Context?
8. How can you consume context data within a functional component?
9. What is the useContext hook and how is it used to consume context?
10. Explain the concept of default values in React Context.
11. How do you provide default values when creating a context?
12. Can you update context data directly within a component? Why or why not?
13. What are some limitations of using React Context for managing dynamic data?
14. When should you avoid using React Context?
15. What are some alternatives to React Context for managing dynamic state?
16. How can you ensure clear documentation when using React Context in your application?
17. Explain the performance implications of using React Context.
18. What are some best practices to follow when using React Context?
19. Can you nest multiple contexts within each other? If so, how?
20. How does React's useContext hook improve the readability and simplicity of consuming context in functional components?