- 1. What are React Hooks and why were they introduced?
- 2. How do React Hooks improve the functionality and readability of functional components?
- 3. What is the `useState` hook, and how is it used to manage state in functional components?
- 4. Explain the syntax and usage of the `useState` hook with an example.
- 5. What is the purpose of the `useEffect` hook in React?
- 6. How can you control when the `useEffect` hook runs?
- 7. Provide an example of using the `useEffect` hook to fetch data from an API.
- 8. What is the difference between `useEffect` and `useLayoutEffect` hooks?
- 9. Describe a scenario where `useLayoutEffect` would be preferred over `useEffect`.
- 10. How does the `useContext` hook simplify accessing context in functional components?
- 11. Provide an example of using the `useContext` hook to consume a context value.
- 12. What is the `useRef` hook and what are its typical use cases?
- 13. How can `useRef` be used to access and manipulate a DOM element directly?
- 14. Explain the difference between `useRef` and `createRef`.
- 15. What are the benefits of writing custom hooks in React?
- 16. Provide an example of a custom hook for fetching data from an API.
- 17. How can you share logic between components using custom hooks?
- 18. What is the importance of the dependencies array in the `useEffect` hook?
- 19. How does the `useEffect` hook handle cleanup for side effects?
- 20. Explain how to create and use a custom hook for managing form inputs in a React application.