Basic Theory (1–10)

1. What is React.js and who developed it?

2. What is the difference between a React component and a regular JavaScript function?

3. What is JSX and why is it used in React?

4. What is the difference between a functional component and a class component in React?

5. What is the purpose of the return() statement inside a React component?

6. How do you display dynamic data (e.g., variables) inside JSX?

7. What is the difference between props and state in React?

8. What is the role of useState() in React functional components?

9. What is the significance of the key attribute in React lists?

10. How do you handle events like button clicks in React?

Simple Coding (11–20)

11. Display a variable value
Write a functional component that stores your name in a variable and displays it in <h1>.

12. Add two numbers
Create a component that stores two numbers in variables and displays their sum.

14. Simple props
Create a Greeting component that takes name as a prop and displays "Hello, {name}!".

15. Display a variable value
Store your favorite color in a variable and show it in <h1>.

16. Add two numbers
Store two numbers in variables and display their sum.

17. Props example
Create a Hello component that shows "Hello, {name}" where name comes from props.

18. Click alert
Create a button that shows an alert "Hello React" when clicked.

19. Click alert
Show an alert saying "Welcome to React" when a button is clicked.

20. Show text on click
Display a heading "Click the button" and below it a message "Button was clicked!" when clicked (message can be hardcoded).

21. Show a variable in JSX
Create a variable city = "Hyderabad" and display it in a heading

22. Math in JSX
Display the result of 10 * 2 inside a heading.

23. Function return in JSX
Create a function getMessage() that returns "Welcome" and display it inside a heading.

24. Alert on click
Create a button that shows an alert saying "Button clicked!" when pressed.