React.js State Assignment - 30 Questions

1. What is state in React? How is it different from props?

2. Write the syntax of declaring state using the useState() hook.

3. Explain what happens when the state is updated in a React component.

4. Can we use multiple useState() hooks in one component? Explain with an example.

5. What is the purpose of the updater function returned by useState()?

6. Declare a state variable named age with an initial value of 25.

7. Create a function called increaseAge() to increase age by 1.

8. Build a button that updates and displays a user's name when clicked.

9. Write a React component with a button to toggle between "ON" and "OFF".

10. Create a state called count and add two buttons: + to increase and - to decrease the count.

11. Create a simple form with a text input field and use state to show live input.

12. Create a component with a checkbox and use state to show "Checked"/"Unchecked".

13. Use a state to show or hide a paragraph when a button is clicked (toggle content).

14. Create a likes state and a button that increases likes by 1 on each click.

15. Create a dropdown menu using <select> and use state to show the selected value.

16. Make a state with an object: {name: '', email: ''} and update values on input.

17. Create a list of items using state (array), and add a new item on button click.

18. Create a simple login form with two input fields and a submit button using state.

19. Use multiple useState hooks to manage separate pieces of data in one component.

20. Create a counter that resets to 0 after reaching 10.

21. Create a component with a "Dark Mode" toggle using state to switch between light and dark themes.

22. Build a quiz component that shows one question at a time and uses state to track the current question number.

23. Use state to create a simple stopwatch with Start, Stop, and Reset buttons.

24. Build a star rating system where clicking on a star updates the rating in state.

25. Use an array state to create a task list. Allow users to add and remove tasks.

26. Create a simple shopping cart using state to store added items.

27. Use useState to manage form validation – show error if a required input is empty.

28. Build a step form where each step uses state to show the current section (e.g., Step 1 → Step 2 → Step 3).

29. Create a dropdown menu using state to toggle visibility on click.

30. Build a voting system where users can upvote/downvote items and the vote count updates in state.