

### Question

1

Not yet  
answered

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1.00

What is the default behavior of React's `useEffect` when the dependency array is omitted?

Select one:

- ☒ a. It runs on every render
- ☐ b. It does not run at all
- ☐ c. It runs only once
- ☐ d. It runs only on unmount

### Question

2

Not yet  
answered

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1.00

Why is it necessary to bind `this` in class components?

Select one:

- ☐ a. To prevent memoization
- ☒ b. To maintain context inside methods
- ☐ c. To avoid closure
- ☐ d. To access Redux

### Question

3

Not yet  
answered

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1.00

What does React's `key` prop do?

Select one:

- ☐ a. Specifies element styling
- ☐ b. Uniquely identifies each component instance
- ☐ c. Tracks component render time
- ☐ d. Identifies the element to be animated

### Question

4

Not yet  
answered

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Which of the following is NOT a valid way to create an object in JavaScript?

Select one:

- ☐ a. `var obj = Object();`
- ☐ b. `var obj = {};`
- ☐ c. `var obj = create Object();`
- ☐ d. `var obj = new Object();`

## Question 5

Not yet answered

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In React, what does lifting state up mean?

Select one:

- ☐ a. Moving state to Redux
- ☒ b. Sharing state by moving it to the closest common ancestor
- ☐ c. Using useState globally
- ☐ d. Passing state as props from parent to child

## Question 6

Not yet answered

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In JavaScript, what is the result of typeof null?

Select one:

- ☐ a. "null"
- ☐ b. "undefined"
- ☒ c. "object"
- ☐ d. "boolean"

## Question 7

Not yet answered

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What is the correct behavior of React Strict Mode?

Select one:

- ☒ a. Highlights potential problems in an application
- ☐ b. Enables concurrent rendering
- ☐ c. Prevents state updates
- ☐ d. Adds runtime optimizations

## Question 8

Not yet answered

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In a React component, what does `defaultProps` do?

Select one:

- ☐ a. Declares event listeners
- ☒ b. Sets fallback values for props
- ☐ c. Prevents prop mutation
- ☐ d. Forces prop types

## Question 9

Not yet answered

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Which of the following is NOT a valid JavaScript iterable?

Select one:

- ☐ a. String
- ☒ b. Object
- ☐ c. Array
- ☐ d. Set

## Question 10

Not yet answered

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What must be used with `React.lazy()` to handle loading states?

Select one:

- ☐ a. **React.Fragment**
- ☒ b. **React.Suspense**
- ☐ c. **React.Portal**
- ☐ d. **React.Timeout**

## Question 11

Not yet answered

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What hook is used to perform side effects in a React function component?

Select one:

- ☒ a. **useEffect**
- ☐ b. **useContext**
- ☐ c. **useReducer**
- ☐ d. **useMemo**

## Question 12

Not yet answered

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Which of the following is true about arrow functions?

Select one:

- ☐ a. **They can be used as constructors**
- ☒ b. **They bind "this" lexically**
- ☐ c. **They have their own "this" binding**
- ☐ d. **They can use arguments object**

## Question 13

Not yet answered

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What does `dangerouslySetInnerHTML` in React allow?

Select one:

- ☐ a. **Setting headers**
- ☒ b. **Rendering raw HTML**
- ☐ c. **Compiling JSX**
- ☐ d. **Rendering CSS dynamically**

## Question 14

Not yet answered

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What happens if you call `setState` inside `render()`?

Select one:

- ☐ a. **Component re-renders properly**
- ☒ b. **Infinite loop**
- ☐ c. **Nothing**
- ☐ d. **Syntax error**

## Question 15

Not yet answered

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Which of the following is true about JavaScript closures?

Select one:

- ☒ a. Closures retain access to the scope in which they were created
- ☐ b. Closures can access variables defined after them
- ☐ c. Closures cannot access outer function variables
- ☐ d. Closures only work with global variables

## Question 16

Not yet answered

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Which hook should be used to store a mutable value that does not cause re-render?

Select one:

- ☐ a. useMemo
- ☒ b. useRef
- ☐ c. useState
- ☐ d. useEffect

## Question 17

Not yet answered

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What is the primary goal of the Context API in React?

Select one:

- ☒ a. Provide global state access without prop drilling
- ☐ b. Manage server-side rendering
- ☐ c. Manage styles
- ☐ d. Replace Redux

## Question 18

Not yet answered

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What does the "this" keyword refer to in a regular function (non-arrow) in strict mode?

Select one:

- ☐ a. The event object
- ☐ b. The function itself
- ☒ c. Undefined
- ☐ d. Global object

## Question 19

Not yet answered

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What will the following code output?

```
(function(){  
  var a = b = 5;  
})();  
console.log(b);
```

Select one:

- ☐ a. undefined
- ☐ b. NaN
- ☐ c. ReferenceError
- ☒ d. 5

## Question 20

Not yet answered

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What does `useCallback` return in React?

Select one:

- ☐ a. A memoized value
- ☒ b. A new memoized callback
- ☐ c. An effect
- ☐ d. A reducer

## Question 21

Not yet answered

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What does the `Object.freeze()` method do?

Select one:

- ☒ a. Prevents modification of existing properties and methods
- ☐ b. Makes object immutable and allows inheritance
- ☐ c. Prevents new properties from being added but allows existing to be changed
- ☐ d. Prevents object from being copied

## Question 22

Not yet answered

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What is `memo` in React used for?

Select one:

- ☐ a. To handle events
- ☐ b. To create global state
- ☒ c. To prevent unnecessary re-rendering
- ☐ d. To initialize props

### Question 23

Not yet  
answered

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How does JavaScript handle asynchronous operations?

Select one:

- ☒ a. Through the event loop
- ☐ b. Using global queueing
- ☐ c. Using semaphores
- ☐ d. Through multithreading

### Question 24

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What does `React.lazy()` do?

Select one:

- ☐ a. Creates asynchronous events
- ☐ b. Suspends component rendering
- ☒ c. Allows component code splitting
- ☐ d. Enables server-side rendering

### Question 25

Not yet  
answered

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Which of these best describes the React reconciliation process?

Select one:

- ☐ a. Sync props to backend
- ☒ b. Compare virtual DOM trees and apply minimal DOM updates
- ☐ c. Redraw the whole page
- ☐ d. Compare only changed nodes in DOM

### Question 26

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answered

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Which feature allows React to batch multiple state updates into a single render?

Select one:

- ☒ a. Fiber architecture
- ☐ b. Concurrent Mode
- ☐ c. Refs
- ☐ d. Virtual DOM

## Question 27

Not yet answered

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Which JavaScript feature allows copying enumerable properties from one or more source objects to a target object?

Select one:

- ☒ a. **Object.assign()**
- ☐ b. **Object.clone()**
- ☐ c. **Object.copy()**
- ☐ d. **Object.merge()**

## Question 28

Not yet answered

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Which React hook should be used for performance optimization to memoize expensive computations?

Select one:

- ☐ a. **useReducer**
- ☐ b. **useEffect**
- ☐ c. **useCallback**
- ☐ d. **useMemo**

## Question 29

Not yet answered

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Which is NOT a valid lifecycle method in React class components?

Select one:

- ☐ a. **shouldComponentRender**
- ☐ b. **componentWillReceiveProps**
- ☐ c. **componentDidMount**
- ☐ d. **componentDidUpdate**

## Question 30

Not yet answered

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What is the purpose of `useImperativeHandle`?

Select one:

- ☐ a. **To define a hook globally**
- ☒ b. **To customize instance value exposed to parent with ref**
- ☐ c. **To prevent rendering**
- ☐ d. **To pass props deeply**

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