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<b>SR.NO</b>	<b>Project NAME</b>	<b>Technology</b>
1	Online E-Learning Platform Hub	React+Springboot+MySql
2	PG Mates / RoomSharing / Flat Mates	React+Springboot+MySql
3	Tour and Travel management System	React+Springboot+MySql
4	Election commition of India (online Voting System)	React+Springboot+MySql
5	HomeRental Booking System	React+Springboot+MySql
6	Event Management System	React+Springboot+MySql
7	Hotel Management System	React+Springboot+MySql
8	Agriculture web Project	React+Springboot+MySql
9	AirLine Reservation System / Flight booking System	React+Springboot+MySql
10	E-commerce web Project	React+Springboot+MySql
11	Hospital Management System	React+Springboot+MySql
12	E-RTO Driving licence portal	React+Springboot+MySql
13	Transpotation Services portal	React+Springboot+MySql
14	Courier Services Portal / Courier Management System	React+Springboot+MySql
15	Online Food Delivery Portal	React+Springboot+MySql
16	Muncipal Corporation Management	React+Springboot+MySql
17	Gym Management System	React+Springboot+MySql
18	Bike/Car ental System Portal	React+Springboot+MySql
19	CharityDonation web project	React+Springboot+MySql
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21	Job Portal web project	React+Springboot+MySql
22	LIC Insurance Portal	React+Springboot+MySql
23	Employee Management System	React+Springboot+MySql
24	Payroll Management System	React+Springboot+MySql
25	RealEstate Property Project	React+Springboot+MySql
26	Marriage Hall Booking Project	React+Springboot+MySql
27	Online Student Management portal	React+Springboot+MySql
28	Resturant management System	React+Springboot+MySql
29	Solar Management Project	React+Springboot+MySql
30	OneStepService LinkLabourContractor	React+Springboot+MySql
31	Vehical Service Center Portal	React+Springboot+MySql
32	E-wallet Banking Project	React+Springboot+MySql
33	Blogg Application Project	React+Springboot+MySql
34	Car Parking booking Project	React+Springboot+MySql
35	OLA Cab Booking Portal	React+NextJs+Springboot+MySql
36	Society management Portal	React+Springboot+MySql
37	E-College Portal	React+Springboot+MySql
38	FoodWaste Management Donate System	React+Springboot+MySql
39	Sports Ground Booking	React+Springboot+MySql
40	BloodBank mangement System	React+Springboot+MySql



41	Bus Tickit Booking Project	React+Springboot+MySql
42	Fruite Delivery Project	React+Springboot+MySql
43	Woodworks Bed Shop	React+Springboot+MySql
44	Online Dairy Product sell Project	React+Springboot+MySql
45	Online E-Pharma medicine sell Project	React+Springboot+MySql
46	FarmerMarketplace Web Project	React+Springboot+MySql
47	Online Cloth Store Project	React+Springboot+MySql
48	Train Ticket Booking Project	React+Springboot+MySql
49	Quizz Application Project	JSP+Springboot+MySql
50	Hotel Room Booking Project	React+Springboot+MySql
51	Online Crime Reporting Portal Project	React+Springboot+MySql
52	Online Child Adoption Portal Project	React+Springboot+MySql
53	online Pizza Delivery System Project	React+Springboot+MySql
54	Online Social Complaint Portal Project	React+Springboot+MySql
55	Electric Vehical management system Project	React+Springboot+MySql
56	Online mess / Tiffin management System Project	React+Springboot+MySql
57		React+Springboot+MySql
58		React+Springboot+MySql
59		React+Springboot+MySql
60		React+Springboot+MySql

## Spring Boot + React JS + MySQL Project List

Sr.No	Project Name	YouTube Link
1	Online E-Learning Hub Platform Project	<a href="https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW">https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW</a>
2	PG Mate / Room sharing/Flat sharing	<a href="https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp">https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp</a>
3	Tour and Travel System Project Version 1.0	<a href="https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12">https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12</a>
4	Marriage Hall Booking	<a href="https://youtu.be/VXz0kZQi5to?si=ILOS-QG3TpAFP5k7">https://youtu.be/VXz0kZQi5to?si=ILOS-QG3TpAFP5k7</a>
5	Ecommerce Shopping project	<a href="https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq">https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq</a>
6	Bike Rental System Project	<a href="https://youtu.be/FlzsAmIBCbk?si=7ujQTJqEgkQ8ju2H">https://youtu.be/FlzsAmIBCbk?si=7ujQTJqEgkQ8ju2H</a>
7	Multi-Restaurant management system	<a href="https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB">https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB</a>
8	Hospital management system Project	<a href="https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw">https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw</a>
9	Municipal Corporation system Project	<a href="https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF">https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF</a>
10	Tour and Travel System Project version 2.0	<a href="https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ">https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ</a>

Sr.No	Project Name	YouTube Link
11	Tour and Travel System Project version 3.0	<a href="https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug">https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug</a>
12	Gym Management system Project	<a href="https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX">https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX</a>
13	Online Driving License system Project	<a href="https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn">https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn</a>
14	Online Flight Booking system Project	<a href="https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh">https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh</a>
15	Employee management system project	<a href="https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H">https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H</a>
16	Online student school or college portal	<a href="https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD">https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD</a>
17	Online movie booking system project	<a href="https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm">https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm</a>
18	Online Pizza Delivery system project	<a href="https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM">https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM</a>
19	Online Crime Reporting system Project	<a href="https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO">https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO</a>
20	Online Children Adoption Project	<a href="https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N">https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N</a>

## 1. Everything in React is a \_\_\_\_\_

- A) Module
- B) Component
- C) Package
- D) Class

Correct Answer : **Component**

◊ Show Answer

## 2. In which directory React Components are saved?

- A) Inside js/components/
- B) Inside vendor/components/
- C) Inside vendor/components/
- D) Inside vendor/

Correct Answer : **Inside js/components/**

◊ Show Answer

## 3. What is Babel?

- A) A transpiler.
- B) An interpreter
- C) A Compiler
- D) Both Compiler and Transpilar

Correct Answer : **Both Compiler and Transpilar**

◊ Show Answer

4 . How many elements does a react component return?

- A) 1 Element
- B) 2 Elements
- C) Multiple Elements
- D) None of the above

Correct Answer : Multiple Elements

Show Answer

5 . What does the "webpack" command do?

- A) A module bundler
- B) Runs react local development server.
- C) Transpiles all the Javascript down into one file
- D) None of the above

Correct Answer : A module bundler

Show Answer

6 . What is ReactJS?

- A) Server-side Framework
- B) User-interface framework
- C) A Library for building interaction interfaces
- D) None of the Above

Correct Answer : A Library for building interaction interfaces

Show Answer

7 . What are the limitations of ReactJS?

- A) React is only for view layer of the app so we still need the help of other technologies to get a complete tooling set for development
- B) React is using inline templating and JSX. This can seem awkward to some developers
- C) The library of react is too large
- D) All of these

Correct Answer : All of these

Show Answer

8 . How can you access the state of a component from inside of a member function?

- A) this.getState()

- B) `this.prototype.stateValue`
- C) `this.state`
- D) `this.values`

Correct Answer : `this.values`

Show Answer

9 . Props are \_\_\_\_\_ into other components

- A) Injected
- B) Methods
- C) Both A and B
- D) All of these

Correct Answer : `Methods`

Show Answer

10 . Which of the following API is a MUST for every ReactJS component?

- A) `getInitialState`
- B) `render`
- C) `renderComponent`
- D) None of the Above

Correct Answer : `renderComponent`

Show Answer

11 . What port is the default where the webpack-dev-server will run?

- A) 3000
- B) 3306
- C) 8080
- D) None of the above

Correct Answer : `8080`

Show Answer

12 . In React what is used to pass data to a component from outside?

- A) `setState`
- B) `props`
- C) `PropTypes`
- D) `render with arguments`



Correct Answer : **props**

**Explanation :** Props are used to pass data to a component from outside

◇ Show Answer

### 13 . What is a react.js in MVC?

- A) Model
- B) Controller
- C) Router
- D) Middleware

Correct Answer : **Controller**

◇ Show Answer

### 14 . ReactJS uses \_\_\_\_ to increase performance

- A) Virtual DOM
- B) Original DOM
- C) Both 1 & 2
- D) None of the above

Correct Answer : **Virtual DOM**

◇ Show Answer

### 15 . Keys are given to a list of elements in react. These keys should be -

- A) Unique in the DOM
- B) Do not requires to be unique
- C) Unique among the siblings only
- D) All of the above

Correct Answer : **Unique among the siblings only**

◇ Show Answer

### 16 . Which of the following is the correct data flow sequence of flux concept?

- A) Dispatcher->Action->Store->View
- B) Action->Dispatcher->Store->View
- C) Action->Dispatcher->View->Store
- D) Action->Store->Dispatcher->View

Correct Answer : **Action->Dispatcher->Store->View**

◇ Show Answer

17 . What is the name of React.js Developer ?

- A) Tim Lee
- B) Jordan Lee
- C) Jordan mike
- D) Jordan Walke

Correct Answer : **Jordan Walke**

◇ Show Answer

18 . Who Develop React.js?

- A) Google
- B) Apple
- C) Facebook
- D) Twitter

Correct Answer : **Facebook**

◇ Show Answer

19 . ..... helps react for keeping their data unidirectional

- A) JSX
- B) Flux
- C) Dom
- D) Props

Correct Answer : **Flux**

◇ Show Answer

20 . At the highest level, React components have lifecycle events that fall into

- A) Initialization
- B) State/Property Updates
- C) Destruction
- D) All of these

Correct Answer : **All of these**

◇ Show Answer

21 . If you want to import just the Component from the React library, what syntax do you use?

- A) import React.Component from 'react'
- B) import [ Component ] from 'react'
- C) import Component from 'react'
- D) import { Component } from 'react'

Correct Answer : **import { Component } from 'react'**

[Show Answer](#)

22 . If a function component should always render the same way given the same props, what is a simple performance optimization available for it?

- A) Wrap it in the React.memo higher-order component.
- B) Implement the useReducer Hook.
- C) Implement the shouldComponentUpdate lifecycle method.
- D) Implement the useMemo Hook.

Correct Answer : **Wrap it in the React.memo higher-order component.**

[Show Answer](#)

23 . How do you fix the syntax error that results from running this code?

```
const person =(firstName, lastName) =>
{
  first: firstName,
  last: lastName
}
console.log(person("jhon", "Wolson"))
```

- A) Wrap the object in parentheses.
- B) Call the function from another file.
- C) Replace the with an array
- D) Add a return statement before the first curly brace.

Correct Answer : **Wrap the object in parentheses.**

[Show Answer](#)

24 . If you see the following import in a file, what is being used for state management in the component?

```
import React, {useState} from 'react';
```

- A) stateful components
- B) class components

- C) math
- D) React Hooks

Correct Answer : **React Hooks**

◇ Show Answer

25 . Using object literal enhancement, you can put values back into an object. When you log person to the console, what is the output?

```
const name = 'Venkat';
const age = 30;
const person = { name, age };
console.log(person);
```

- A) {{name: "Venkat", age: 30}}
- B) {name: "Venkat", age: 30}
- C) {person: "Venkat", person: 30}
- D) {person: {name: "Venkat", age: 30}}

Correct Answer : **{name: "Venkat", age: 30}**

◇ Show Answer

26 . How do you access a function fetch() from a h1 element in JSX?

- A) <h1>{fetch()}</h1>
- B) <h1>\${fetch()}</h1>
- C) <h1>{fetch}</h1>
- D) <h1>\${fetch}</h1>

Correct Answer : **<h1>{fetch()}</h1>**

◇ Show Answer

27 . What happens when the following render() method executes?

```
render(){
  let langs = ["Ruby", "ES6", "Scala"]
  return (<div>
    {langs.map(it => <p>{it}</p>)}
  </div>)
}
```

- A) Error. Cannot use direct JavaScript code in JSX
- B) Error. Should be replaced with a for..loop for correct output
- C) Displays the list of languages in the array
- D) Displays nothing

Correct Answer : **Displays the list of languages in the array**

◇ Show Answer

28 . How do you write an inline style specifying the font-size:12px and color:red; in JSX

- A) `style={{font-size:12,color:'red'}}`
- B) `style={{fontSize:'12px',color:'red'}}`
- C) `style={fontSize:'12px',color:'red'}`
- D) `style={{font-size:12px,color:'red'}}`

Correct Answer : **`style={{fontSize:'12px',color:'red'}}`**

◇ Show Answer

29 . Which method in a React Component should you override to stop the component from updating?

- A) `willComponentUpdate`
- B) `shouldComponentUpdate`
- C) `componentDidUpdate`
- D) `componentDidMount`

Correct Answer : **`shouldComponentUpdate`**

◇ Show Answer

30 . What happens when you call `setState()` inside `render()` method?

- A) Repetitive output appears on the screen
- B) Nothing happens. Life goes on!
- C) Duplicate key error
- D) Stack overflow error

Correct Answer : **Stack overflow error**

**Explanation :** Call to `setState()` invokes `render()`. Calling it inside `render` is suicidal. It gets into an infinite loop

◇ Show Answer

31 . React is a \_\_\_\_\_

- A) Javascript library
- B) Javascript framework
- C) Both of above
- D) None of the above



Correct Answer : Javascript library

Explanation : ReactJS is a javascript library for building user interfaces. its not a framework

Show Answer

### 32 . ReactJS covers \_\_\_\_\_

- A) User Interface layer in an application
- B) Data layer in an application
- C) Both A and B
- D) None of the above

Correct Answer : User Interface layer in an application

Explanation : ReactJS is a javascript library for building **user interfaces**. it covers only user interface layer of an application

Show Answer

### 33 . Number of elements, a valid react component can return

- A) 1
- B) 2
- C) 3
- D) 4

Correct Answer : 1

Show Answer

### 34 . props in react can \_\_\_\_\_

- A) Be changed inside the component
- B) Not be changed in the component
- C) Be changed in side other component
- D) None of the above

Correct Answer : Not be changed in the component

Show Answer

### 35 . What is the testing library most often associated with React?

- A) Mocha
- B) Sinon
- C) Chai
- D) Jest

Correct Answer : **Jest**

◇ Show Answer

### 36 . What is state in react?

- A) Internal storage of the component
- B) A prement storage
- C) Both A and B
- D) None of the above

Correct Answer : **Internal storage of the component**

◇ Show Answer

### 37 . What will happen if you render an input element with disabled = {false}

- A) It will be rendered as disabled
- B) It will be rendered as enabled
- C) It will not be rendered at all
- D) None of the above

Correct Answer : **It will be rendered as enabled**

◇ Show Answer

### 38 . To get the first item from the array ("cooking") using array destructuring, how do you adjust this line?

```
const topics = ['cooking', 'art', 'history'];
```

- A) `const first = ["cooking", "art", "history"]`
- B) `const [] = ["cooking", "art", "history"]`
- C) `const [, first] = ["cooking", "art", "history"]`
- D) `const [first] = ["cooking", "art", "history"]`

Correct Answer : **`const [first] = ["cooking", "art", "history"]`**

◇ Show Answer

### 39 . How do you handle passing through the component tree without having to pass props down manually at every level?

- A) React Send
- B) React Pinpoint
- C) React Router
- D) React Context

Correct Answer : **React Context**

◇ Show Answer

**40 . What should the console read when the following code is run?**

```
const [, , animal] = ['Horse', 'Mouse', 'Cat'];  
console.log(animal);
```

- A) Horse
- B) Cat
- C) Mouse
- D) None of the above

Correct Answer : **Cat**

◇ Show Answer

**41 . What is the name of the tool used to take JSX and turn it into createElement calls?**

- A) JSX Editor
- B) ReactDOM
- C) Browser Buddy
- D) Babel

Correct Answer : **Babel**

◇ Show Answer

**42 . React Lifecycle method static `getDerivedStateFromProps(props, state)` is called when \_\_\_\_**

- A) Component is created for the first time
- B) Component is created for the first time
- C) Both of above
- D) None of the above

Correct Answer : **Both of above**

◇ Show Answer

**43 . Keys are given to a list of elements in react. These keys should be**

- A) Unique in the DOM
- B) Unique among the siblings only

- C) Do not requires to be unique
- D) None of the above

Correct Answer : **Unique among the siblings only**

◇ Show Answer

#### 44 . For uncontrolled components in react

- A) Source of truth is DOM
- B) Source of truth is component state
- C) Source of truth can be anything
- D) None of the above

Correct Answer : **Source of truth is DOM**

◇ Show Answer

#### 45 . Why might you use useReducer over useState in a React component?

- A) when you want to replace Redux
- B) when you want to replace Redux
- C) when you want to break your production app
- D) when you want to improve performance

Correct Answer : **when you want to replace Redux**

◇ Show Answer

#### 46 . Which props from the props object is available to the component with the following syntax?

`<Message {...props} />`

- A) any that have changed
- B) any that have not changed
- C) child props
- D) all of them

Correct Answer : **all of them**

◇ Show Answer

#### 47 . Consider the following code from React Router. What do you call :id in the path prop?

`<Route path="/:id" />`

- A) This is a route modal
- B) This is a route parameter
- C) This is a route splitter
- D) This is a route link

Correct Answer : This is a route parameter

Show Answer

48 . What does this React element look like given the following function?

```
React.createElement('h1', null, "What's happening?");
```

- A) `<h1 props={null}>What's happening?</h1>`
- B) `<h1>What's happening?</h1>`
- C) `<h1 id="component">What's happening?</h1>`
- D) `<h1 id="element">What's happening?</h1>`

Correct Answer :

```
<h1>What's happening?</h1>
```

Show Answer

49 . What property do you need to add to the Suspense component in order to display a spinner or loading state?

```
function MyComponent() {
  return (
    <Suspense>
      <div>
        <Message />
      </div>
    </Suspense>
  );
}
```

- A) lazy
- B) loading



- C) fallback
- D) spinner

Correct Answer : **fallback**

Show Answer

50 . Which of the following is a correct definition of state in react?

- a) A persistent storage
- b) An internal data store (object) of component

- A) a
- B) b
- C) Both A and B
- D) None of the above

Correct Answer : **b**

Show Answer

51 . What are two ways data gets handled in react?

- A) state & props
- B) services & components
- C) state & services
- D) state & component

Correct Answer : **state & props**

Show Answer

52 . What do you call the message wrapped in curly braces below?

```
let message = 'Hi there';
const element = <p>{message}</p>;
```

- A) a JS function
- B) a JS element
- C) a JSX wrapper
- D) a JS expression

Correct Answer : **a JS expression**

Show Answer

53 . What can you use to handle code splitting?

- A) React.split
- B) React.lazy
- C) React.memo
- D) React.fallback

Correct Answer : **React.lazy**

Show Answer

54 . When do you use useEffect?

- A) to optimize for all devices
- B) to complete the update
- C) to change the layout of the screen
- D) when you need the browser to paint before the effect runs

Correct Answer : **when you need the browser to paint before the effect runs**

Show Answer

55 . You have written the following code but nothing is rendering. How do you fix this problem?

```
const Heading = () => {  
  <h1>Hello!</h1>;  
};
```

- A) Add a render function
- B) Surround the h1 in a div.
- C) Move the h1 to another component.
- D) Change the curly braces to parentheses or add a return statement before the h1 tag.

Correct Answer : **Change the curly braces to parentheses or add a return statement before the h1 tag.**

Show Answer

56 . Which of these terms commonly describe React applications?

- A) declarative
- B) imperative
- C) integrated
- D) closed

Correct Answer : **declarative**

◇ Show Answer

57 .

What is the children prop?

- A) a property that lets you pass components as data to other components
- B) a property that lets you pass data to child elements
- C) a property that lets you set an array as a property
- D) a property that adds child components to state

Correct Answer : a property that lets you pass components as data to other components

◇ Show Answer

58 . Why is it important to avoid copying the values of props into a component's state where possible?

- A) because you should never mutate state
- B) because you want to allow data to flow back up to the parent
- C) because `getDerivedStateFromProps()` is an unsafe method to use
- D) because you want to allow a component to update in response to changes in the props

Correct Answer : because you want to allow a component to update in response to changes in the props

◇ Show Answer

59 . When might you use `React.PureComponent`?

- A) when you do not want your component to have state
- B) when you have sibling components that need to be compared
- C) when you want a default implementation of `shouldComponentUpdate()`
- D) when you do not want your component to have props

Correct Answer : when you want a default implementation of `shouldComponentUpdate()`

◇ Show Answer

60 . How do you destructure the properties that are sent to the Dish component?

```
function Dish(props) {  
  return (  
    <h1>  
      {props.name} {props.cookingTime}  
    </h1>  
  );  
}
```

- A) `function Dish([name, cookingTime]) { return <h1>{name} {cookingTime}</h1>; }`
- B) `function Dish({name, cookingTime}) { return <h1>{name} {cookingTime}</h1>; }`
- C) `function Dish(props) { return <h1>{name} {cookingTime}</h1>; }`

D) `function Dish(...props) { return <h1>{name} {cookingTime}</h1>; }`

Correct Answer : `function Dish({name, cookingTime}) { return <h1>{name} {cookingTime}</h1>; }`

◇ Show Answer

61 . What is the difference between the click behaviors of these two buttons (assuming that `this.handleClick` is bound correctly)?

A. `<button onClick="{this.handleClick}>Click Me</button>`

B. `<button onClick="{event => this.handleClick(event)}>Click Me</button>`

A) Button A will not have access to the event object on click of the button.

B) Button B will not fire the handler `this.handleClick` successfully.

C) Button A will not fire the handler `this.handleClick` successfully.

D) There is no difference

Correct Answer : Button B will not fire the handler `this.handleClick` successfully.

◇ Show Answer

62 . What do you call a React component that catches JavaScript errors anywhere in the child component tree?

A) error bosses

B) error catchers

C) error helpers

D) error boundaries

Correct Answer : error boundaries

◇ Show Answer

63 . In which lifecycle method do you make requests for data in a class component?

A) constructor

B) `componentDidMount`

C) `componentWillReceiveProps`

D) `componentWillMount`

Correct Answer : `componentDidMount`

◇ Show Answer

64 . All React components must act like \_\_ with respect to their props.

A) monads

B) pure functions

- C) recursive functions
- D) higher-order functions

Correct Answer : pure functions

◇ Show Answer

## 65 . Why might you use a ref?

- A) to directly access the DOM node
- B) to refer to another JS file
- C) to bind the function
- D) to call a function

Correct Answer : to directly access the DOM node

◇ Show Answer

## 66 . What is [e.target.id] called in the following code snippet?

```
handleChange(e) {  
  this.setState({[e.target.id]: e.target.value })  
}
```

- A) a computer property name
- B) a JSX code string
- C) a dynamic key
- D) a set value

Correct Answer : a dynamic key

◇ Show Answer

## 67 . What is the name of this component?

```
class Clock extends React.Component {  
  render() {  
    return <h1>Look at the time: {time}</h1>;  
  }  
}
```

- A) Clock
- B) Component
- C) React.Component
- D) It does not have a name prop.

Correct Answer : Clock



◇ Show Answer

68 .

What package contains the render() function that renders a React element tree to the DOM?

- A) React
- B) DOM
- C) ReactDOM
- D) Render

Correct Answer : ReactDOM

◇ Show Answer

69 . What is sent to an Array.map() function?

- A) a callback function that is called once for each element in the array
- B) the name of another array to iterate over
- C) the number of times you want to call the function
- D) a string describing what the function should do

Correct Answer : a callback function that is called once for each element in the array

◇ Show Answer

70 . Why is it a good idea to pass a function to setState instead of an object?

- A) It is more functional than an object
- B) It automatically updates a component
- C) It makes sure that the object is not mutated
- D) setState is asynchronous and might result in out of sync values.

Correct Answer : setState is asynchronous and might result in out of sync values.

◇ Show Answer

71 . How do you set a default value for an uncontrolled form field?

- A) Use the value property
- B) Use the defaultValue property
- C) Use the default property
- D) It assigns one automatically

Correct Answer : Use the defaultValue property

◇ Show Answer

72 . How do you invoke setDone only when component mounts, using hooks?

```
function MyComponent(props) {
  const [done, setDone] = useState(false);

  return <h1>Done: {done}</h1>;
}
```

A) `useEffect(() => { setDone(true); });`

B) `useEffect(() => { setDone(true); }, []);`

C) `useEffect(() => { setDone(true); }, [setDone]);`

D) `useEffect(() => { setDone(true); }, [done, setDone]);`

Correct Answer :

```
useEffect(() => { setDone(true); }, [setDone]);
```

◇ Show Answer

73 . What value of button will allow you to pass the name of the person to be hugged?

```
class Huggable extends React.Component{
  hug(id){
    console.log("hugging " + id);
  }

  render() {
    let name = "kittteh";
    let button = // Missing Code
    return button;
  }
}
```

A) `<button onClick={(name) => this.hug(name)}>Hug Button</button>`

B) `<button onClick={this.hug(e, name)}>Hug Button</button>`

C) `<button onClick={(e) => hug(e,name)}>Hug Button</button>`

D)

```
<button onClick={(e) => this.hug(name, e)}>Hug Button</button>
```

Correct Answer :

```
<button onClick={() => this.hug(name)}>Hug Button</button>
```

Show Answer

## 74 . Which Hook could be used to update the document's title?

A)

```
useEffect(function updateTitle() { document.title = name + ' ' + lastname; });
```

B)

```
useEffect(() => { title = name + ' ' + lastname; });
```

C)

```
useEffect(function updateTitle() { name + ' ' + lastname; });
```

D)

```
useEffect(function updateTitle() { title = name + ' ' + lastname; });
```

Correct Answer :

```
useEffect(function updateTitle() { document.title = name + ' ' + lastname; });
```

Show Answer

## 75 . What do you need to change about this code to get it to run?

```
class clock extends React.Component {  
  render() {  
    return <h1>Look at the time: {this.props.time}</h1>;  
  }  
}
```

- A) Remove this
- B) Capitalize clock
- C) Remove the render method
- D) Add quotes around the return value

Correct Answer : Capitalize clock

## Q1. AngularJS is highly suited for

- i. MPA
- ii. ZPA
- iii. SPA
- iv. DPA

Answer: c. SPA

## Q2. What do you interpret by state in React?

- i. External storage of compartment
- ii. Permanent storage
- iii. Internal storage of compartment
- iv. All of the above

Answer: c. Internal storage of compartment

## Q3. Which of the following directory stores the React Components?

- i. Inside components/js/
- ii. Inside vendor/components
- iii. Inside js/components/
- iv. Inside vendor/js/components/

Answer: c. Inside js/components/

## Q4. Which among the following defined routes in a React application?

- i. Route
- ii. Router
- iii. Routed
- iv. Routing

Answer: a. Route

## Q5. Choose the wrong statement about redux

- i. It offers state persistence
- ii. It easily passes between components
- iii. It is only used with React
- iv. It eases debugging and testing

Answer: a. It offers state persistence

## Q6. Which is the right command for creating a new React app?

- i. npx create-react-app-g my-app
- ii. npx create-new-react-app my-app
- iii. npx create-react-app my-app
- iv. Any of these can be used

Answer: c. npx create-react-app my-app

## Q7. Select the correct use of React hooks

- i. Style management in class components
- ii. Style management in functional components
- iii. State and side effect management in class components
- iv. State and side effect management in functional components

Answer: d. State and side effect management in functional components

## Q8. Which type of updates to the component state is seen when using React?

- i. Removal of complete component
- ii. Updation of complete component
- iii. Updation of a specific component
- iv. Addition of a new component

Answer: c. Updation of a specific component

## Q9. Select the correct option depiction purpose of HOCs or Higher Order Components in React

- i. Management of component events
- ii. Management of component styles
- iii. Reuse of component logic
- iv. Data sharing between components

Answer: c. Reuse of component logic

## Q10. What are props in ReactJS?

- i. They are the functions in ReactJS
- ii. They are the arguments passed into React components
- iii. They return multiple values from the function
- iv. All of the above

Answer: b. They are the arguments passed into React components



**Q11. Which of the following allows accessing URL parameters from the React component?**

- i. By using the object props.route
- ii. By using the object props.location
- iii. By using the object props.match.params
- iv. By using the object props.params

Answer: c. By using the object props.match.params

**Q12. Select the correct option describing the use of the 'webpack' command in ReactJS**

- i. It is a module bundler
- ii. It runs React local development server
- iii. It is used to transpile all JavaScript into one file
- iv. All of the above

Answer: a. It is a module bundler

**Q13. Which option states the correct information on the 'key' prop**

- i. The 'Key' prop is among the HTML attributes
- ii. 'Key' prop identifies a newly added item in the list
- iii. The 'Key' prop compares the new item during the 'diffing' algorithm
- iv. Both b and c

Answer: d. Both b and c

**Q14. During the ReactJS Lifecycle method, static getDerivedStateFromProps(props, state) is called in which condition**

- i. On updating the state of the component
- ii. On creating a new component
- iii. Both a and b
- iv. None of the above

Answer: c. Both a and b

**Q15. Which of these functions updates the state in ReactJS?**

- i. Through the componentDidUpdate lifecycle method
- ii. Via setState() method

iii. Through the componentWillUpdate life cycle method

iv. Via direct modification of the state object

Answer: b. Via setState() method

## Q16. What are the components of React?

i. They are a set of variables defined in ReactJS

ii. They are HTML elements

iii. They are independent and reusable codes that return HTML elements

iv. Both a and b are correct

Answer: c. They are independent and reusable codes that return HTML elements

## Q17. How do you understand prop drilling? It is:

i. Concept of passing data inside the component itself

ii. Concept of passing data between sibling components

iii. Concept of passing data to required destination as states until data reaches the required destination

iv. Concept of passing data through intermediate components as props until data reaches the required destination

Answer: d. Concept of passing data through intermediate components as props until data reaches the required destination

## Q18. What is the benefit of serverless integration on React applications?

i. It adds authentication functionality

ii. It speeds up component rendering

iii. It optimized code splitting

iv. It allows scalability and cost-effective hosting

Answer: d. It allows scalability and cost-effective hosting

## Q19. How will you manage scaling up of the resources in serverless architecture

i. Via physical hardware

ii. Via load balancers

iii. Automatically through the cloud provider

iv. Manually by developer

Answer: c. Automatically through the cloud provider

## Q20. Which of these features can be enlisted as features of ReactJS?

i. JSX to ease writing React components

- ii. Declarative UI for efficient readability and debugging
- iii. Flexibility and speed
- iv. Virtual DOM
- v. All of the above

Answer: e. All of the above

## Q21. Which of these parameters differentiates controlled and uncontrolled components?

- i. Predictability
- ii. Component and quantity of control over the data
- iii. Form of storage of values
- iv. All of the above

Answer: d. All of the above

## Q22. What is the role of JSX in React?

- i. Eases working with props and state
- ii. Efficiently handles browser events
- iii. Offers the method to write HTML elements in JavaScript
- iv. Improves performance of the Virtual DOM

Answer: c. Offers the method to write HTML elements in JavaScript

## Q23. Which functions change the state of the ReactJS component?

- i. `this.State{}`
- ii. `this.setState`
- iii. `this.setChangeState`
- iv. `this.ChangeState`

Answer: b. `this.setState`

## Q24. Which of these can handle data in React?

- i. State and component
- ii. Service and component
- iii. State and service
- iv. State and props

Answer: d. State and props

## Q25. Which of the functions is not available in ReactDOM?

- i. `ReactDOM.findDOMNode()`

ii. ReactDOM.hydrate()

iii. ReactDOM.destroy()

iv. ReactDOM.create Portal()

Answer: c. ReactDOM.destroy()

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# Your React JS Quiz questions Quiz Results

30

Total  
Questions

30

Unattempted

0

Incorrect

0

Correct

Average time for each attempted questions is ⌚ 0m 01s

## Validate Your Answers

1. Which of the below accurately describes React.js's name?

a. React

b. React.js

c. ReactJS

d. All of the above

2. What command should I use to install create-react-app?

a. npm install -g create-react-app

b. npm install create-react-app

c. npm install -g create-react-app

d. install -g create-react-app

3. What command should I use to install create-react-app?

a. Original DOM

b. Virtual DOM

c. Both A and B.

d. None of the above.

4. A class is a type of function, but which keyword should we use to start it instead of function?

a. Constructor

b. Class

c. Object

d. DataObject

5. Which of the following is a class-based component's input?

a. Class

b. Factory

c. Render

d. Props

6. Which of the subsequent keywords is utilized to establish class inheritance?

a. Create

b. Inherits

c. Extends

d. This

7. Which of the subsequent keywords is utilized to establish class inheritance?

a. 3000

b. 8080

c. 3030

d. 6060

8. How many elements may a react component that is valid return?

a. 1

b. 2

c. 4

d. 5

9. How can a dynamic list of elements based on the values in an array be rendered declaratively?

- a. Using the reduce array method
- b. Using the <Each /> component
- c. Using the Array.map() method
- d. With a for/while loop

10. What does a React state mean?

- a. A permanent storage.
- b. Internal storage of the component.
- c. External storage of the component.
- d. None of the above.

11. What are the two methods React uses to handle data?

- a. State & Props
- b. Services & Components
- c. State & Services
- d. State & Component

12. Which of the below directories does React.js's code reside in?

- a. Inside the js/components/
- b. Inside the vendor/components/
- c. Inside the external/components/
- d. Inside the vendor/

13. Which of the following APIs is required for every component using React.js?

- a. SetinitialComponent
- b. renderComponent

c. render

d. All of the above

14. Which of the following statements about the Babel is accurate?

a. Babel is a Compiler.

b. Babel is a Transpiler.

c. None of the above.

d. Both A and B are correct.

15. What does React.js' "webpack" command do?

a. The "webpack" command is used to transpile all the JavaScript down into one file.

b. It runs React local development server.

c. It is a module bundler.

d. None of the above.

16. Which of the below is used in React.js to send data to a component from the outside?

a. SetState

b. Render with arguments

c. Props

d. PropTypes

17. What does ES6 represent?

a. ECMAScript 6

b. ECMA 6

c. ECMAJavaScript 6

d. EJavaScript 6

18. The value of the React.js component is changed using which of the following functions?



a. this.setState

b. this.setState

c. this.State{}

d. None of the above

19. Which of the following processes in React.js relates to the parent class?

a. inherits()

b. self()

c. super()

d. this()

20. What will happen if you render an input element with `disabled = {false}`?

a. It will be rendered as disabled

b. It will not be rendered at all

c. It will be rendered as enabled

d. You cannot set it false

21. Which of the subsequent functions is used by React to render HTML to the web page?

a. render()

b. render()

c. ReactDOM\_render()

d. render()

22. Which of the following great examples does the highest level of React components have?

a. Destruction

b. Initialization

c. State/Property Updates

d. All of the above.

23. Why is `setState` being used?

- ☒ a. Invoke code after the `setState` operation is done.
- ☐ b. Replace the state completely instead of the default merge action.
- ☐ c. Access the previous state before the `setState` operation.
- ☐ d. None of the above.

24. Which of the following sums up the "key" prop the best?

- ☐ a. "Key" prop is used to look pretty, and there is no benefit whatsoever.
- ☒ b. "Key" prop is a way for React to identify a newly added item in a list and compare it during the "diffing" algorithm.
- ☐ c. It is one of the attributes in HTML.
- ☐ d. It is NOT commonly used in an array.

25. Which of the following methods does not fall under the ReactDOM umbrella?

- ☒ a. `ReactDOM.destroy()`
- ☐ b. `ReactDOM.hydrate()`
- ☐ c. `ReactDOM.createPortal()`
- ☐ d. `ReactDOM.findDOMNode()`

26. How may a default value be set for a form field that is not controlled?

- ☐ a. By using the `value` property
- ☒ b. By using the `defaultValue` property
- ☐ c. By using the `default` property
- ☐ d. It is assigned automatically.

27. By using the `setState()` method, we may update the state in React.js. These calls include

- ☐ a. Synchronous in nature.
- ☒ b. Asynchronous in nature.
- ☐ c. Are asynchronous but can be made synchronous when required.

d. None of the above.

**28. Which of the following is true about React.js's controlled components?**

a. The source of truth is DOM.

b. The source of truth can be anything.

c. The source of truth is a component state.

d. None of the above.

**29. What modifications would take effect as soon as the value of the React component is altered in the component?**

a. It will do nothing; you have to call the render method to render the component again.

b. It will re-render the component.

c. It can be created again from scratch.

d. None of the above.

**30. Which of the following statements is accurate for React.js's uncontrolled components?**

a. The source of truth is DOM.

b. The source of truth is a component state.

c. The source of truth can be anything.

d. None of the above.

## Advanced Web Technology MCQ Questions and Answers:

---

1. A much better approach to establish the base URL is to use\_\_\_\_\_

1. HEAD element
2. BASE element
3. Both (a) and (b)
4. None

**Answer:** BASE element

2. Symbol used at the beginning of the HREF text is\_\_\_\_\_

1. (C) &
2. (A) #
3. (B) \$
4. (D) ^

**Answer:** (A) #

3. From which tag descriptive list starts?

1. <DS>
2. <DD>
3. <LL>
4. <DL>

**Answer:** <DL>

4. Which method of the Component class is used to set the position and size of a component in JSP?

1. setSize()
2. setBounds() method
3. setPosition()
4. setPositionSize()

**Answer:** setBounds() method

5. What are Empty elements and is it valid?

1. No, it is not valid to use Empty Element
2. Empty elements are element with no data
3. No, there are no such terms as Empty Element
4. None

**Answer:** Empty elements are element with no data

6. Which of the following is a container?

1. <SELECT>
2. <BODY>

3. <INPUT>
4. Both (a) and (b)

**Answer:** Both (a) and (b)

**7. How can you open a link in a new browser window?**

1. <a href = "url" target = "new">
2. <a href = "url" target= "\_blank">
3. <a href = "url" target ="open">
4. <a href = "url".new>

**Answer:** <a href = "url" target= "\_blank">

**8. The tag used to create a hypertext relationship between current document and another URL is\_\_\_\_\_**

1. <LINK>
2. <A>
3. <ISINDEX>
4. None

**Answer:** <LINK>

**9. Which of the following statement is not true regarding JavaScript?**

1. A JavaScript embedded in an HTML document is compiled and executed by the client browser
2. JavaScript is an object-based language
3. JavaScript is a loosely typed language
4. JavaScript is event driven

**Answer:** A JavaScript embedded in an HTML document is compiled and executed by the client browser

**10. Which tag creates a number/order list?**

1. <UL>
2. <OT>
3. <OL>
4. None

**Answer:** <OL>

**11. Markup tags tell the web browser\_\_\_\_\_**

1. How to display the page
2. How to display message box on page
3. How to organize the page
4. None

**Answer:** How to display the page

**12. The map definition file is generally stored in\_\_\_\_\_**

1. BIN
2. RECYCLE-BIN
3. CGI-BIN
4. All of the above

**Answer:** CGI-BIN

**13. The attribute, which define the relationship between current document and HREF'ed URL is**

1. REL
2. URL
3. REV
4. All of the above

**Answer:** REV

**14. Which of the following options is correct with regard to HTML?**

1. It is a DTP language
2. It is a modeling language
3. It is used to structure documents
4. It is a partial programming language

**Answer:** It is used to structure documents

**15. How can you make an e-mail link?**

1. <a href ="mail to: xxx@y.com">
2. <a href = "xxx@y.com">
3. <mail href +"xxx@y.com">
4. None

**Answer:** <a href ="mail to: xxx@y.com">

**16. Web pages starts with which of the following tag?**

1. <Title>
2. <Form>
3. <Body>
4. <HTML>

**Answer:** <HTML>

**17. Correct HTML tag for the largest heading is\_\_\_\_\_**

1. <h6>
2. <heading>
3. <head>
4. <h1>

**Answer:** <h1>

**18. Correct HTML to left align the content inside a table cell is\_\_\_\_\_**

1. <td leftalign>
2. <td align = "left">
3. <td raligh = "left" >
4. <tdleft>

**Answer:** <td align = "left">

**19. In ASP the function which returns an expression formatted as a date or time is \_\_\_\_\_**

1. FormatDateOrTime()
2. FormatTimeDate()
3. FormatDateTime()
4. FormatDateAndTime()

**Answer:** FormatDateTime()

**20. What is the correct HTML for adding a background color?**

1. <body color = "Green">
2. <body bg color = "Green">
3. <background>green<Background>
4. <body bg ="green">

**Answer:** <body bgcolor = "green">

**21. What method is used to specify a container's layout in JSP?**

1. setContainerLayout()
2. Layout()
3. setLayout()
4. ContainerLayout()

**Answer:** setLayout()

**22. Which of the following statements is incorrect regarding multimedia on the web?**

1. The MPEG, AU and MIDI are cross-platform formats
2. The SND format has a relatively low fidelity
3. The MPEG, AIFF and WAV are cross-platform formats
4. VRML can be used to model and display 3D interactive graphics

**Answer:** The MPEG, AIFF and WAV are cross-platform formats

**23. The web standard allows programmers on many different [computer](#) platforms to dispersed format and display the information server. These programs are called \_\_\_\_\_**

1. Internet Explorer
2. [Web Browsers](#)
3. HTML
4. None

**Answer:** Web Browsers

24. What value does readLine() return when it has reached the end of a file in JSP?

- 1. False
- 2. Null
- 3. EOF
- 4. Last character in the file

Answer: Null

25. In JSP, the classes that allow primitive types to be accessed as objects are known as\_\_\_\_\_

- 1. Object classes
- 2. Primitive classes
- 3. Wrapper classes
- 4. Boxing classes

Answer: Wrapper classes

26. HTML is a subset of

- 1. SGMT
- 2. SGML
- 3. SGMD
- 4. None

Answer: SGML

27. HTML stands for?

- 1. Hyper Tabular Markup Language
- 2. Hyper Text Markup Language
- 3. High Text Markup Language
- 4. None

Answer: Hypertext Markup Language

28. Any part of the graphic that is not included in another hot zone is considered to be part of\_\_\_\_\_

- 1. Point
- 2. default
- 3. Rect
- 4. Polygon

Answer: Default

29. The latest HTML standard is\_\_\_\_\_

- 1. XML
- 2. HTML 4.0
- 3. SGML
- 4. HTML 5.0

Answer: HTML 5.0



30. www is based on which model?

- 1. Client-server
- 2. Local-server
- 3. 3-tier
- 4. None

**Answer:** Client-server

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<https://t.me/codewitharrays> Group Link: <https://t.me/ccee2025notes>



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