INTERVIEW TEST **(75% Must Required)**

01. What is the output of the following code?

```
let x = 10;
let y = "10";
console.log(x + y);
```

a) "1010"

b) 20

c) Error

d) "101010"

02. How would you declare an empty array in JavaScript?

a) let array = {};

b) let array = [];

c) let array = new Array();

d) let array = array();

03. What does the typeof operator return for null?

a) "object"

b) "null"

c) "undefined"

d) "string"

04. What is the output of the following code?

```
console.log(true + false);
```

a) 0

b) 1

c) "truefalse"

d) Error

05. What is the output of the following code?

```
let a = 10;
console.log(a++ + ++a);
```

a) 21

b) 20

c) 22

d) Error

06. What does NaN stand for in JavaScript?

a) Not a Null

b) Not a Name

c) Not a Number

d) Null or Not

07. What will be the output of the following code?

```
console.log(0 == false);
```

a) true

b) false

c) Error

d) 0

08. What does Object.keys() return when used on a JavaScript object?

a) Array containing the keys of the object

b) Array containing the values of the object

c) Object containing the keys of the object

d) Array containing the properties of the object

09. What does the new keyword do in JavaScript?

a) Creates a new instance of a class

b) Declares a new variable

c) Reserves memory for a new object

d) Creates a copy of an existing object

10. What is the output of the following code?

```
const obj = {
  name: "John",
  age: 30
};
const newObj = {...obj};
console.log(newObj === obj);
```

a) true

b) false

c) Error

d) undefined

11. What is the output of the following code?

```
function Person(name) {
  this.name = name; }
Person.prototype.age = 20;
const john = new Person("John");
console.log(john.age);
```

a) 20

b) "John"

c) undefined

d) Error

12. What does the super keyword do in a JavaScript class?

a) Calls the parent class constructor

b) Returns the parent class instance

c) Sets the parent class prototype

d) Refers to the current class instance

13. What is the output of the following code?

```
const x = 10;
const y = 20;
console.log(x + y + "10");
```

a) "3010"

b) 3010

c) 30

d) Error

14. What does the Promise.all() method do in JavaScript?

a) Executes multiple promises sequentially

b) Executes multiple promises in parallel

c) Executes the first resolved promise

d) Executes the first rejected promise

15. What does the Array.map() method do?

a) Modifies the original array

b) Creates a new array with the results of calling a provided function on every element

c) Sorts the array

d) Removes elements from the array

16. What is the output of the following code?

```
const array = [1, 2, 3, 4, 5];
const doubledArray = array.map(x => x * 2);
console.log(doubledArray);
```

a) [1, 2, 3, 4, 5]

b) [2, 4, 6, 8, 10]

c) [1, 4, 9, 16, 25]

d) [2, 3, 4, 5, 6]

17. What is the output of the following code?

```
const array = [1, 2, 3, 4, 5];
const evenArray = array.filter(x => x % 2 === 0);
console.log(evenArray);
```

a) [1, 2, 3, 4, 5]

b) [2, 4]

c) [1, 3, 5]

d) [2, 3, 4, 5]

18. What does the Array.reduce() method do?

a) Creates a new array by applying a function to all elements

b) Returns the first element that satisfies a condition

c) Returns the first element of the array

d) Reduces the array to a single value

19. What is the output of the following code?

```
const array = [1, 2, 3, 4, 5];
const sum = array.reduce((acc, curr) => acc + curr, 0);
console.log(sum);
```

a) 0

b) 15

c) 10

d) Error

20. What is the output of the following code?

```
const obj = {
  name: "John",
  age: 30
};
const newObj = Object.freeze(obj);
newObj.age = 40;   c

onsole.log(newObj.age);
```

a) 40

b) 30

c) undefined

d) Error

21. What is the difference between controlled and uncontrolled components in React?

a) Controlled components use state, while uncontrolled components do not

b) Controlled components use props, while uncontrolled components do not

c) Controlled components are slower than uncontrolled components

d) Controlled components are easier to style than uncontrolled components

22. What is the purpose of the key prop in React?

a) To specify a unique identifier for a component

b) To define the initial state of a component

c) To manage component state

d) To handle events

23. What is the purpose of the React.Fragment component?

a) To group multiple elements without adding extra nodes to the DOM

b) To define a new component

c) To create a shadow DOM

d) To add styling to a component

24. What is the output of the following code?

```
const [count, setCount] = useState(0);


useEffect(() => {
  document.title = `You clicked ${count} times`;
}, [count]);
setCount(1);
```

a) Error

b) Changes the document title to "You clicked 1 times"

c) Changes the document title to "You clicked 0 times"

d) No change to the document title

25. What is the purpose of the useContext hook in React?

a) To create a new context

b) To consume a context

c) To manage component state

d) To handle events