**JavaScript topic wise important questions**

**INTRODUCTION**

1. What is JavaScript?
2. What is advantage of JavaScript?
3. What is client side rendering?
4. Who invented JavaScript?
5. What are features of JavaScript?

**DATATYPES AND VARIABLES**

1. What is a variable?
2. What are ways to create a variable in js?
3. What are the datatype in js?
4. What is number datatype?
5. What is string datatype?
6. What is boolean datatype?
7. What is null datatype?
8. What is undefined datatype?
9. What is difference between null and undefined?
10. What is BigInt datatype in js?
11. What is var keyword?
12. What is let keyword?
13. What is const keyword?
14. What is difference between let and var keyword?
15. What is NaN property in JavaScript?
16. What would be the result of 1+2+'3'
17. What is typeof operator?
18. What is the difference between == and ===?
19. What are output statements in js?
20. What is input statement in js?
21. What is alert() in js?
22. What is default return type of prompt?

**FUNCTIONS**

1. What is a function in js?
2. What are different type of functions in js?
3. What is a named function?
4. What is an arrow function?
5. What is higher-order function?
6. What is anonymous function?
7. What is function expression?
8. What is syntax of function?
9. What is default parameter in function?
10. What is rest parameter?
11. What is return in function?
12. What is output of bellow code?

function add(a,b=10){

console.log(a+b)

}

add(20)

1. What is output of code?

function add(a,b=10){

console.log(a+b)

}

add(20,40)

**Arrays**

1. What is an array?
2. Is array homogenous or heterogonous in js?
3. What are ways to create an array?
4. What is index value of 1st element of array?
5. Can we create an array with const keyword?
6. What is length property in array?
7. What is difference between toString() and join() in array?
8. What is push() in array in js?
9. What is return value of push()?
10. What is pop() in array in js?
11. What is return value of pop()?
12. What is shift() in array in js?
13. What is return value of shift()?
14. What is unshift() in array in js?
15. What is return value of unshift()?
16. What is concat method?
17. What is slice method?
18. What is splice method?
19. Write a programme to add the element 20,30,40 at 4th index of given array?

let a=[10,2,3,4]

1. What is spread operator?
2. What is use of spread operator?
3. What is output of code?

let a=[10,20,30,40]

let b=[60,70,80,90]

let c=[...a,11,12,13,...b]

console.log(c)

1. What is map method?
2. What is use of map method in js?
3. What is output of code bellow?

const arr=[10,20,30,40,50,60]

arr.map((element,index,array)=>{

console.log(element,index,array)

})

1. What is indexOf() in js?
2. What is output of bellow code?

const arr=[10,20,30,[40,50,60],100]

console.log(arr[3].indexOf(60))

**Objects**

1. What is an object?
2. What are different ways to create object?
3. How to retrieve keys from object?
4. How to retrieve values from object?
5. What is this keyword?
6. How to delete key from object?
7. What is array of object?
8. What is json?

**STRING**

1. What is length property in strings?
2. What is slice method in string?
3. What is substring method in strings?
4. What is substr method in js?
5. What is difference between substring and substr in strings?
6. What is replace method?
7. Which is method to convert string to lowercase?
8. Which is method to convert string to uppercase?
9. Which method is used to remove whitespace in string?
10. What is method to retrieve character at particular index in string?
11. What is method to retrieve character code of character at particular index in string?

**DOM and Events**

1. What is DOM?
2. What is advantage of DOM?
3. What are dom methods to retrieve element from HTML document?
4. What is method to create an element?
5. What is syntax for adding style using dom?
6. What is DOM method to append element in HTML document?
7. What is method to add attribute for element in HTML document?
8. What is method to remove attribute of element in DOM?
9. What is method to remove element in DOM?
10. What is .innerHTML in DOM?
11. What is .innerText in html?
12. How to retrieve value entered in form input in DOM?
13. What is event in JS?
14. Name some of events in JS?
15. What is an event handler in js?
16. What are ways to add events in js?
17. Write a code to validate the form using DOM and Events

No fields should be empty.

Password should be greater than 7 character and less than 15 character.

Phone number should be equal to 10 digits.

**Promises, error handling and Fetch**

1. What is try block?
2. What is catch block?
3. What is finally block?
4. What are the types of errors in javascript?
5. What are properties/methods of error object?
6. What is a promise?
7. How to create a promise in js?
8. How to handle the result of promise?
9. What is a fetch method?
10. What does fetch method will return?
11. How to handle the result of fetch method?
12. What is async and await?
13. What is use of async and await in js?

**Advance JS Concepts**

1. What is hoisting?
2. What is closures?
3. What is callback functions?
4. What is difference between callback function and higher order functions?
5. What is template String?
6. what is syntax of adding a variable in Template String?
7. What is array Destructuring?
8. What is output of code?

let arr=[10,20,30,40]

const[a,,b,c]=arr

console.log(a,b,c)

1. What is object Destructuring?
2. How to create a shallow copy of array using spread operator?
3. How to create a shallow copy of object using spread operator?
4. What is output of code?

const obj={

firstName:'Suhas',

lastName:'sj'

}

const obj1={

age:23,

place:'Bangalore'

}

const obj3={...obj1,height:5.7,obj2}

1. What is strict mode in js?
2. What is output of code?

"use strict"

a=10

console.log(a)

1. What is output of code?

"use strict"

const a=10

console.log(a)

1. What is output of code?

"use strict"

const a;

a=10;

console.log(a)

1. What are the primitive data types in JavaScript?
2. What are some advantages of using External JavaScript?
3. Is javascript a statically typed or a dynamically typed language?
4. What is the use of setInterval?
5. What is the use of setTimeout?
6. What is the purpose of clearTimeout method?
7. What is eval?
8. How do you display the current date in javascript?
9. How do you display the current Month in javascript?
10. How do you display the current Year in javascript?
11. How do you display the current Hour in javascript?
12. How do you display the current munits in javascript?
13. How do you display the current seconds in javascript?
14. What is a class in js?
15. What is a constructor function in js?
16. What is use of constructor in js?
17. How to extend a class from another class in js?
18. What is use of super keyword in js?