1. Write some features of JavaScript.

It’s a scripting language

JS is case sensitive

JavaScript can run both in client and server side

JavaScript can change the content of a page dynamically

1. What is the lexical structure of a programming language?

The lexical structure of a programming language is the set of elementary rules that specifies how you write programs in that language.

1. How many style of comments Javascript support?

Ans: two. // and /\* \*/

1. What is literal?

A literal is a value that appears directly in a program.

1. Javascript data types can be defines into two caregories. Name the categories.

JavaScript types can be divided into two categories: primitive types and object types

1. Name some primitive data types.

Numbers, string, Boolean, null, undefined

1. How to escape string or character in JavaScript?

Ans: Using back slash \.

1. What is the purpose of + operator in JavaScript?

Plus operator can be use to concat strings with variables and also can be used as arithmetic addition.

1. What is the result of “<>”.repeat(5)

Ans : <><><><><>

1. What is null and undefined?
2. What is the name of the top global object in javascript?

Window

1. Define objects in javascript
2. What are Variables?

Ans: In programming, a variable is a container that can hold values.

1. What is scope?

Ans: Scope in JavaScript refers to the current context of code, which determines the accessibility of variables to JavaScript.

1. When to use JavaScript const?

Ans: Always declare a variable with const when we know that the value should not be changed.

1. What is operator?

Ans: In JavaScript, an operator is a special symbol used to perform operations on operands (values and variables).[// For example, 2 + 3; // 5. Here + is an operator that performs addition, and 2 and 3 are operands.]

1. How many data types in java script?

Ans: JavaScript has 8 Data Types;

1. String

2. Number

3. Bigint

4. Boolean

5. Undefined

5. Null

7. Symbol

8. Object

1. What is a javascript function?

Ans. A JavaScript function is a block of code designed to perform a particular task.

1. What is an object?

Ans: An object type is simply a collection of properties in the form of name and value

1. What is an Event ?

Ans: JavaScript's interaction with HTML is handled through events that occur when the user or the browser manipulates a page.

1. What are strings?

Ans: JavaScript strings are for storing and manipulating text.

1. What is the method?

Ans: A function created within an object is called a method.

1. What is the argument?

Ans. The argument is an object which is local to a function.

1. What is an expression ?(4.0-61)

Ans: An expression is a phrase of JavaScript that can be evaluated to produce a value.

1. What is if Else?

Ans: The if/else statement evaluates an expression and executes one of two pieces of code, depending on the outcome.

1. What is constructor?

A constructor is a function designed for the initialization of newly created object which calls automatically.

1. What is set class?  
   Ans: A set is a collection of values like an array and do not support any duplicate value.
2. What is map class?  
   Ans: A map object represent a set of value known as keys, where each key has another value associated with it.
3. Name some unary operator in javascript.
4. State the difference between == and ===.
5. Discuss in operator in javascript.

The in operator expects a left-side operand that is a string, symbol, or value that can be converted to a string. It expects a right-side operand that is an object. It evaluates to true if the left-side value is the name of a property of the right-side object. Ex.

let point = {x: 1, y: 1}; // Define an object

"x" in point // => true: object has property named "x"

1. Write the syntax of conditional operator.
2. What is first defined (??) operator?
3. What is the purpose of break and continue in loops.
4. Which statement handles errors in JavaScript?

Try/catch/finally

1. Difference between let and var.
2. What is the purpose of import and export declarations in JavaScript?

The import and export declarations are used together to make values defined in one module of JavaScript code available in another module.

1. What is Object serialization?

Object serialization is the process of converting an object’s state to a string from which it can later be restored.

1. Discuss spread(…) operator

The spread operator ... is used to unpack, or “spread out,” the elements of an array (or any other iterable object, such as strings) in a context where individual values are expected.

**let** a = [1, 2, 3];  
**let** b = [0, ...a, 4]; *// b == [0, 1, 2, 3, 4]*

1. Name some array methods.
2. Define function.

A function is a block of JavaScript code that is defined once but may be executed, or invoked, any number of times.

1. Write an arrow function.

**const** sum = (x, y) => { **return** x + y; };

1. Discuss rest parameter in function

Rest parameters allow us to write functions that can be invoked with arbitrarily more arguments than parameters.

function x(…n){}; x(1,2,3,4,5,6);

1. Define higher order function.

A higher-order function is a function that operates on functions, taking one or more functions as arguments and returning a new function