1. What is javaScript. How to use it?

Ans. Javascript is a programming language that add dynamic functionality and complex features to web pages.

Use of javascript both server side and client side server.

1. How many type of Variable in JavaScript?

Ans. This is three types of variables.

1. Var
2. Let
3. Const

1. Define a Data Types in js?

Ans.

1. Primitive data types.
2. Number

-> Represents both integer and floating-point numbers.

2. string

-> Represents a sequence of characters.

3. Boolean

-> Represents a logical entity with two values: true and false.

4. undefined

-> Represents a variable that has been declared but not assigned a value.

5. null

-> Represents the intentional absence of any object value.

6. bigInt

-> Represents whole numbers larger than , which is the largest number JavaScript can reliably represent with the Number type.

2. non-primitive data types

1. object

-> Represents an instance through which we can access members (properties and methods).

2. Arrary

-> Represents a list-like structure.

3. Functions

-> Represents a block of code designed to perform a particular task.

4. Write a mul Function Which will Work Properly When invoked With Following Syntax.

Ans. The function should return another function until all arguments are provided. Once all arguments are provided, it should compute and return the result.

5. What the deference between undefined and undeclare in JavaScript?

Ans.

1. Undefined

> A variable that is undefined means it has been declared but has not been assigned a value.

> Let d;

Console.log(x);

* variables exist in the scope where they are declared.

1. Undeclare

* A variable that is undeclared means it has not been declared at all in the current scope.
* Console.log(z); // z is not defined.
* variables do not exist in any scope until they are declared.

6. Using console.log() print out the following statement: The quote 'There is no exercise better for the heart than reaching down and lifting people up.' by John Holmes teaches us to help one another. Using console.log() print out the following quote by Mother Teresa:

Ans. The first console is print the john holmes.

The second console is print the mother Teresa.

7. Check if typeof '10' is exactly equal to 10. If not make it exactly equal?

Ans.

 We start with str being the string '10' and num being the number 10.

 We check if the type of str is not the same as the type of num.

 If the types are different, we convert str to a number using Number(str).

 Finally, we log the result of the comparison, which should now be true.

8. Write a JavaScript Program to find the area of a triangle?

Ans . code

9. Write a JavaScript program to calculate days left until next Christmas?

Ans. Code

10. What is Condition Statement?

Ans. Condition statement is 3 types.

1. If
2. if else
3. If else if else

Conditional statements are essential for making decisions in a program, allowing different code paths to be executed based on the evaluation of conditions. They include if, if...else, if...else if...else, each serving a specific use case for handling various decision-making scenarios in programming.

11. Find circumference of Rectangle formula : C = 4 \* a ?

Ans. Code

12. WAP to convert years into days and days into years?

Ans. Code

13) Convert temperature Fahrenheit to Celsius?

Ans. (Conditional logic Question) → To convert Fahrenheit to Celsius, subtract 32 from the Fahrenheit temperature and then multiply the result by 5/9. → let fahrenheit = 285; let celsius = (fahrenheit - 32) \* 5/9; console. log(celsius); The answer is approximately 140.56 degrees Celsius.

14) Write a JavaScript exercise to get the extension of a filename.?

Ans. Code

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initialscale=1.0">

<link rel="stylesheet" href="">

<title>Document</title>

</head>

<body>

<p id="one"></p>

<p id="two"></p>

</body>

<script>

document.write("<br><br><br> &#xf30b; &nbsp;&nbsp;&nbsp; Output

<br><br><br>")

filename = "system.php"

document.write("&#xf35a;&nbsp;&nbsp;&nbsp;" +

filename.split('.').pop() + "<br><br>");

filename = "abc.js"

document.write( "&#xf35a;&nbsp;&nbsp;&nbsp;"

+

filename.split('.').pop());

</script>

</html>

15) What is the result of the expression (5 > 3 && 2 < 4)?

→ The result is true, because both conditions are true.

16) What is the result of the expression (true && 1 && "hello")?

→ The result is "hello", because all the operands are truthy, and the "&&" operator returns the last truthy operand.

17) What is the result of the expression true && false || false && true?

→ A coworker and I have tried to work this out and the closest thing we could come up with is that the statement is being evaluated by order of precedence. → According to the MDN Operator Precedence logical-and has a higher precidence over logical-or, suggesting that the condition is evaluated as if false && true were a single statement, which then moves on to determine the boolean condition of false || true which is then true. Written out, this would be:- (false && true) || true

18. What is a Loop and Switch Case in JavaScript define that ?

Ans. Code

19) What is the use of is Nan function?

Ans. isNaN() returns true if a number is Not-a-Number. → In other words: isNaN() converts the value to a number before testing it.

20) What is the difference between && and || in JavaScript?

Ans. If the expression on the left of && is falsy, it will immediately return false without checking the expression on the right.

→ If the expression on the left of || is truthy, it will immediately return true without checking the expression on the right.

→ (This is called “short circuiting”.)

21) What is the use of Void (0)?

Ans. The void operator evaluates an expression and returns undefined .

→ By running void(0) in the URL JavaScript code, nothing is evaluated or returned.

22) Check Number Is Positive or Negative in JavaScript?

Ans. Code

23) Find the Character Is Vowel or Not ?

Ans. Code

24) Write to check whether a number is negative, positive or zero?

→ Using Math. → abs() method to determine if a number is positive, negative, or zero.

→ The Math. abs() method returns the absolute value of a number, which is its magnitude without regard to its sign.

→ We can then compare the result with the original number to determine its sign.

Code

25) Write to find number is even or odd using ternary operator in JS?

Ans. Code

26) Write find maximum number among 3 numbers using ternary operator in JS?

Ans. Code

27) Write to find minimum number among 3 numbers using ternary operator in JS?

Ans. Code

28) Write to find the largest of three numbers in JS?

Ans. Code

29) Write to show:

(i) Monday to Sunday using switch case in JS?

Ans. Code

(ii) Vowel or Consonant using switch case in JS?

Ans. Code

(Conditional looping logic Question)

30) What are the looping structures in JavaScript? Any one Example?

31) Write a print 972 to 897 using for loop in JS?

32) Write to print factorial of given number?

33) Write to print Fibonacci series up to given numbers?

34) Write to print number in reverse order e.g.: number = 64728 ---> reverse =82746 in JS?

35) Write a program make a summation of given number (E.g., 1523 Ans: - 11) in JS?

36) Write a program you have to make a summation of first and last Digit. (E.g., 1234 Ans: - 5) in JS?

38) Use pattern in console.log in JS?

39) Accept 3 numbers from user using while loop and check each numbers palindrome?