**1. What is JavaScript?**

JavaScript is a client-side as well as server side scripting language that can be inserted into HTML pages and is understood by web browsers. JavaScript is also an Object based Programming language

**2. Enumerate the differences between Java and JavaScript?**

Java is a complete programming language. In contrast, JavaScript is a coded program that can be introduced to HTML pages. These two languages are not at all inter-dependent and are designed for the different intent. Java is an object - oriented programming (OOPS) or structured programming language like C++ or C whereas JavaScript is a client-side scripting language.

**3. What are JavaScript Data Types?**

Following are the JavaScript Data types:

* Number
* String
* Boolean
* Object
* Undefined

**4. What is the use of isNaN function?**

isNan function returns true if the argument is not a number otherwise it is false.

**5.What is negative infinity?**

Negative Infinity is a number in JavaScript which can be derived by dividing negative number by zero.

**6. Which company developed JavaScript?**

Netscape is the software company who developed JavaScript.

**7. Write the code for adding new elements dynamically?**

**8. What is a prompt box?**

A prompt box is a box which allows the user to enter input by providing a text box. Label and box will be provided to enter the text or number.

**9. What is 'this' keyword in JavaScript?**

'This' keyword refers to the object from where it was called.

**10. Explain the working of timers in JavaScript? Also elucidate the drawbacks of using the timer, if any?**

Timers are used to execute a piece of code at a set time or also to repeat the code in a given interval of time. This is done by using the functions **setTimeout, setInterval**and**clearInterval**.

The **setTimeout(function, delay)** function is used to start a timer that calls a particular function after the mentioned delay. The **setInterval(function, delay)** function is used to repeatedly execute the given function in the mentioned delay and only halts when cancelled. The **clearInterval(id)** function instructs the timer to stop.

Timers are operated within a single thread, and thus events might queue up, waiting to be executed.

**11. Which symbol is used for comments in Javascript?**

// for Single line comments and

/\* Multi

Line

Comment

\*/

**12. What is === operator?**

=== is called as strict equality operator which returns true when the two operands are having the same value without any type conversion.

**13. Explain how can you submit a form using JavaScript?**

**14. Does JavaScript support automatic type conversion?**

Yes JavaScript does support automatic type conversion, it is the common way of type conversion used by JavaScript developers

**15. How can the style/class of an element be changed?**

**16. What are all the looping structures in JavaScript?**

Following are looping structures in Javascript:

* For
* While
* do-while loops

**17. What is called Variable typing in Javascript?**

Variable typing is used to assign a number to a variable and the same variable can be assigned to a string.

Example

i = 10;

i = "string";

This is called variable typing.

**25. Explain the difference between "==" and "==="?**

"==" checks only for equality in value whereas "===" is a stricter equality test and returns false if either the value or the type of the two variables are different.

**26. What would be the result of 3+2+"7"?**

Since 3 and 2 are integers, they will be added numerically. And since 7 is a string, its concatenation will be done. So the result would be 57.

**27. What do mean by NULL in Javascript?**

The NULL value is used to represent no value or no object. It implies no object or null string, no valid boolean value, no number and no array object.

**28. What is the function of delete operator?**

The delete keyword is used to delete the property as well as its value.

Example

var student= {age:20, batch:"ABC"};

delete student.age;

**29. What is an undefined value in JavaScript?**

Undefined value means the

* Variable used in the code doesn't exist
* Variable is not assigned to any value
* Property doesn't exist

**30. What are all the types of Pop up boxes available in JavaScript?**

* Alert
* Confirm and
* Prompt

**31. What is the data type of variables of in JavaScript?**

* All variables in the JavaScript are object data types.

**32. What is the difference between an alert box and a confirmation box?**

* An alert box displays only one button which is the OK button.
* But a Confirmation box displays two buttons namely OK and cancel.

**33. Explain what is pop()method in JavaScript?**

The pop() method is similar as the shift() method but the difference is that the Shift method works at the start of the array. Also the pop() method take the last element off of the given array and returns it. The array on which is called is then altered.

**34. Mention what is the disadvantage of using innerHTML in JavaScript?**

If you use innerHTML in JavaScript the disadvantage is

* Content is replaced everywhere
* We cannot use like "appending to innerHTML"
* Even if you use +=like "innerHTML = innerHTML + 'html'" still the old content is replaced by html
* The entire innerHTML content is re-parsed and build into elements, therefore its much slower
* The innerHTML does not provide validation and therefore we can potentially insert valid and broken HTML in the document and break it

**35. What are the two basic groups of dataypes in JavaScript?**

They are as –

* Primitive
* Reference types.

Primitive types are number and Boolean data types. Reference types are more complex types like strings and dates.

**36. How generic objects can be created?**

Generic objects can be created as:

var I = new object();

**37. What is the use of type of operator?**

'Typeof' is an operator which is used to return a string description of the type of a variable.

**38. Which keyword is used to print the text in the screen?**

document.write("Welcome") is used to print the text – Welcome in the screen.

**39. What is the use of Push method in JavaScript?**

The push method is used to add or append one or more elements to the end of an Array. Using this method, we can append multiple elements by passing multiple arguments

**40. What is unshift method in JavaScript?**

Unshift method is like push method which works at the beginning of the array. This method is used to prepend one or more elements to the beginning of the array.

**41. How will you explain closures in JavaScript? When are they used?**

Closure is a locally declared variable related to a function which stays in memory when the function has returned.

**42. Explain the for-in loop?**

The for-in loop is used to loop through the properties of an object.

The syntax for the for-in loop is -

for (variable name in object){

statement or block to execute

}

In each repetition, one property from the object is associated to the variable name, and the loop is continued till all the properties of the object are depleted.

**43. Describe the properties of an anonymous function in JavaScript?**

A function that is declared without any named identifier is known as an anonymous function. In general, an anonymous function is inaccessible after its declaration.