

## **1.What is JavaScript?**

JavaScript is a very powerful client-side scripting language. JavaScript is used mainly for enhancing the interaction of a user with the webpage. In other words, you can make your webpage more lively and interactive, with the help of JavaScript. JavaScript is also being used widely in game development and Mobile application development.

## **2.What is the use of isNaN function?**

isNaN function returns true if the argument is not a number; otherwise, it is false.

## **3.What is negative Infinity?**

Negative Infinity is a special numeric value that is returned when an arithmetic operation or mathematical function generates a negative value greater than the largest representable number in JavaScript.

## **4.Which company developed JavaScript?**

Netscape is the software company that developed JavaScript.

## **5.What are undeclared and undefined variables?**

Undeclared variables are those that do not exist in a program and are not declared. If the program tries to read the value of an undeclared variable, then a runtime error is encountered. Undefined variables are those that are declared in the program but have not been given any value. If the program tries to read the value of an undefined variable, an undefined value is returned.

## **6.Write the code for adding new elements dynamically?**

The syntax and example are as follows: `Element.setAttribute(name, value);` // Where Element is the name of web element. // Here, we have created newDiv. // Where name is the attribute name and // value is the value that needs to be set For Eg: newDiv.  
`setAttribute("class","container")`

## **7.What is the difference between ViewState and SessionState?**

Session state is saved on the server, ViewState is saved on the page. Sessionstate Usually cleared after a period of inactivity from the user (no request happened containing the session id in the request cookies). The view state is posted on subsequent posts back in a hidden field.

## **8.What is === operator?**

=== is called a strict equality operator, which returns true when the two operands have the same value without conversion.

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

1. Identify the HTML element whose class name you want to change.
2. Use the document. ...
3. Access the classList property of the selected element to manipulate its classes.
4. Use the replace(oldClass, newClass) method of the classList property to replace the old class name with the new class name.

## **10.How to read and write a file using JavaScript?**

The fs.readFile() and rs.writeFile() methods are used to read and write a file using javascript. The file is read using the fs.readFile() function. which is an inbuilt method. This technique reads the full file into memory and stores it in a buffer.

Ex. fs.readFile( file\_name, encoding, callback\_function ). The fs.writeFile() function is used to write data to a file in an asynchronous manner. If the file already exists, it will be replaced.

Ex. fs.writeFile( file\_name, data, options, callback )

## **11.What are all the looping structures in JavaScript?**

JavaScript supports different kinds of loops:

1. for - loops through a block of code a number of time
2. for/in - loops through the properties of an object
3. for/of - loops through the values of an iterable object
4. while - loops through a block of code while a specified condition is true

5. do/while - also loops through a block of code while a specified condition is true
6. forEach -forEach() method calls a function and iterates over the elements of an array

## **12.How can you convert the string of any base to an integer in JavaScript?**

There's a function called `parseInt()` in JavaScript, this is used for parsing a string as an argument and it returns an integer of the specified radix (basically the base of the numerical system) as output.

## **13.What is the function of the delete operator?**

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

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

Popup boxes are used to display the message or notification to the user. There are three types of pop-up boxes in JavaScript namely **Alert Box**, **ConfirmBox** and **Prompt Box**.

## **15.What is the use of Void (0)?**

`Void(0)` is used to prevent the page from refreshing, and parameter "zero" is passed while calling.

`Void(0)` is used to call another method without refreshing the page.

## **16.How can a page be forced to load another page in JavaScript?**

Navigating to a new page can be done using the `window.location.assign()`. By using `assign()`, the user will be able to get back to the landing page using the "back" button, as this does not change the browser's history.

## **17.What are the disadvantages of using innerHTML in JavaScript?**

If you use `innerHTML` in JavaScript, the disadvantage is

Content is replaced everywhere

We cannot use it 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 builds into elements. Therefore, it's much slower

The innerHTML does not provide validation, and therefore we can potentially insert valid and broken HTML in the document and break it