

# **JAVASCRIPT BASIC & DOM**

## **ASSIGNMENT**

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

Ans: JavaScript is the Programming Language for the Web. JavaScript can update and change both HTML and CSS. JavaScript can calculate, manipulate and validate data.

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

Ans: In JavaScript NaN is short for Not-a-Number. The isNaN method returns true if a value is NaN. The isNaN method converts the value to a number before testing it.

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

Ans: The negative infinity in JavaScript is a constant value that is used to represent a value that is the lowest available. This means that no other number is lesser than this value. It can be generated using a self-made function or by an arithmetic operation.

Note that JavaScript shows the negative infinity value as -Infinity.

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

Ans: JavaScript was created at Netscape Communications by Brendan Eich in 1995. Netscape and Eich designed JavaScript as a scripting language for use with the company's flagship web browser, Netscape Navigator.

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

Ans: Undeclared variables are those that have not been declared or defined in the current scope, while undefined variables are those that have been declared but not given a value.

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

Ans:

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

Ans: Session state is saved on the server, ViewState is saved in the page. Session state is 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 post back in a hidden field.

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

Ans: The === operator checks whether its two operands are equal, returning a Boolean result. Unlike the equality operator, the strict equality operator always considers operands of different types to be different.

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

Ans: For change style/class of an element we use style attribute in javascript. With the use of this attribute we change style in js.

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

Ans: Files can be read and written by using java script functions – fopen(), fread() and fwrite().

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

Ans: Loops can execute a block of code a number of times. JavaScript supports different kinds of loops.

Example:

for - loops through a block of code a number of times

for/in - loops through the properties of an object

for/of - loops through the values of an iterable object

while - loops through a block of code while a specified condition is true

do/while - also loops through a block of code while a specified condition is true.

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

Ans: To convert a string to an integer parseInt(), Number(), and Unary operator(+) function is used in javascript.

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

Ans: The delete operator removes a property from an object. If the property's value is an object and there are no more references to the object, the object held by that property is eventually released automatically.

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

Ans: JavaScript has three kind of popup boxes: Alert box, Confirm box, and Prompt box.

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

Ans: The use of Void(0) is return undefined as a primitive value. We use this to prevent any negative effects on a webpage when we insert some expression.

For example, in the case of URL hyperlinks. Hyperlinks open by reloading the page when the user clicks on the link. When you need to run some other code in such cases, you can use javascript: void(0).

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

Ans: We can use window.location property to forcefully load another page in Javascript. It is a reference to a Location object that is it represents the current location of the document. We can change the URL of a window by accessing it.

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

Ans: Some of the disadvantages of using innerHTML in JavaScript is describe below.

The process of using innerHTML is much slower as its contents as slowly built.

The event handlers do not get attached to the new elements created by setting innerHTML automatically.

Content is replaced everywhere.