JavaScript Assignment

Q.1 What is JavaScript?

Ans. JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc.

Q.2 What is the use of isNaN function?

Ans. isNaN() is a function property of the global object. For number values, isNaN() tests if the number is the value NaN . When the argument to the isNaN() function is not of type Number, the value is first coerced to a number, and the resulting value is then compared against NaN .

Q.3 What is negative infinity?

Ans. 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 (i.e., more negative than -Number. MAX\_VALUE) . JavaScript displays the NEGATIVE\_INFINITY value as -Infinity.

Q.4 Which company developed JavaScript?

Ans. Brendan Eich, a Netscape Communications Corporation programmer, created JavaScript in September 1995.

Q.5 what are undeclared and undefined variables?

Ans. Undeclared − It occurs when a variable which hasn't been declared using var, let or const is being tried to access. Undefined − It occurs when a variable has been declared using var, let or const but isn't given a value.

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

Ans. Syntax: document. createElement("<tagName>"); // Where <tagName> can be any HTML // tagName like div, ul, button, etc. // newDiv element has been created For Eg: let newDiv = document. createElement("div");

Q.7 What is the difference between viewstate and sessionstate?

Ans. The basic difference between these two is that the ViewState is to manage state at the client's end, making state management easy for end-user while SessionState manages state at the server's end, making it easy to manage content from this end too.

Q.8 What is === operator?

Ans. The === operator in javascript compares the equality of two operands with type. If both type and value are equal, the condition is true; otherwise, it is false. In javascript, the equality operator is used to check if two values are equal.

Q.9 How can the styleclass of an element be changed?

Ans. getElementById() method is used to return the element in the document with the “id” attribute and the “className” attribute can be used to change/append the class of the element.

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

Ans. readFile() and rs. writeFile() methods are used to read and write of a file using javascript. The file is read using the fs. readFile() function, which is an inbuilt method.

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

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. In JavaScript parseInt() function (or a method) is used to convert the passed in string parameter or value to an integer value itself. This function returns an integer of base which is specified in second argument of parseInt() function.

Q.13 What is the function of delete operator?

Ans. The delete operator removes a given property from an object. On successful deletion, it will return true, else false will be returned.

Q.14 What are all 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 void (0)?

Ans. JavaScript void 0 means returning undefined (void) as a primitive value. You might come across the term “JavaScript:void(0)” while going through HTML documents. It is used to prevent any side effects caused while inserting an expression in a web page.

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

Ans. Approach: We can use window. location property inside the script tag 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. But there are some disadvantages to using innerHTML in JavaScript. Disadvantages of using innerHTML property in JavaScript: The use of innerHTML very slow: The process of using innerHTML is much slower as its contents as slowly built, also already parsed contents and elements are also re-parsed which takes time.