Module (JAVASCRIPT BASIC & DOM)-4

1. What is JavaScript?

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. — you can bet that JavaScript is probably involved. It is the third layer of the layer cake of standard web technologies, two of which ([HTML](https://developer.mozilla.org/en-US/docs/Learn/HTML) and [CSS](https://developer.mozilla.org/en-US/docs/Learn/CSS)) we have covered in much more detail in other parts of the Learning Area.

1. What is the use of is NaN function?

The isNaN() function is used **to check whether a given value is an illegal number or not**. It returns true if value is a NaN else returns false. It is different from the Number.

3. What is negative Infinity?

NEGATIVE\_INFINITY is **the same as the negative value of the global object's Infinity property**. This value behaves slightly differently than mathematical infinity: Any positive value, including POSITIVE\_INFINITY , multiplied by NEGATIVE\_INFINITY is NEGATIVE\_INFINITY .

4.Which company developed JavaScript?

The first ever JavaScript was created by Brendan Eich at **Netscape**, and has since been updated to conform to ECMA-262 Edition 5 and later versions.

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| 5. | What are undeclared and undefined variables?  **Undefined variable means a variable has been declared but it does not have a value.** **Undeclared variable means that the variable does not exist in the program at all**.  6. Write the code for adding new elements dynamically?   * <html> * <head> * <title>t1</title> * <script type="text/javascript"> * function addNode() * {var newP = document. createElement("p"); * var textNode = document. createTextNode(" This is a new text node"); * newP. appendChild(textNode);  |  |  | | --- | --- | | 7. | What is the difference between ViewState and SessionState?  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. ViewState: It is maintained at only one level that is page-level.  8. What is === operator?  The strict equality **operator** ( **===** ) checks whether its two operands are equal, returning a Boolean result. | |

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

Another way to alter the style of an element is by **changing its class attribute**. class is a reserved word in JavaScript, so in order to access the element's class, you use element. className.

9. How to read and write a file using JavaScript?

1. file=fopen(getScriptPath(),0); The function fread() is used for reading the file content.
2. str = fread(file,flength(file) ; The function fwrite() is used to write the contents to the file.
3. file = fopen("c:\MyFile.txt", 3);// opens the file for writing.

10. What are all the looping structures in JavaScript?

**JavaScript supports different kinds of loops:**

* 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.

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

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.

12. What is the function of the delete operator?

The delete operator **removes a given property from an object**. On successful deletion, it will return true , else false will be returned. However, it is important to consider the following scenarios: If the property which you are trying to delete does not exist, delete will not have any effect and will return true .

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

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

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| 14. | What is the use of Void (0)?  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**.   |  |  | | --- | --- | | 15. | How can a page be forced to load another page in JavaScript? |   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.   |  |  | | --- | --- | | 16. | What are the disadvantages of using innerHTML in JavaScript?  **There is no append support without reparsing the whole innerHTML**. This makes changing innerHTML directly very slow. innerHTML does not provide validation and therefore we can potentially insert valid and broken HTML in the document and break it. | |
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