

MODULE: 4 (JavaScript Basic & DOM)

1. What is JavaScript?

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

2. What is the use of isNaN function?

- In JavaScript NaN is short form of (Not-a-Number).
- The isNaN () method returns true if a value is NaN (not a number).

3. What is negative Infinity?

- It is used to show result negative infinity when mathematical operation result number is too large or too small.

4. Which company developed JavaScript?

- JavaScript was invented by Brendan Eich in 1995.

5. What are undeclared and undefined variables?

- Undefined – It occurs when a variable has been declared using var, let or const but isn't given a value.
- Undefined - A variable that has not been assigned a value is of type undefined.

6. Write the code for adding new elements dynamically?

- Creation of new element: New elements can be created in JS by using the createElement() method. Syntax: document.createElement(<tagName>);
- createElement("<tagName>"); // Where <tagName> can be any HTML tag like div, ul, button, etc. // newDiv element has been created
For Eg: let newDiv = document.createElement("div");

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.

8. What is === operator?

- === operator compares types and values; they should be equal.

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

- 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.

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

- 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.

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.

12. 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.

13. What is the function of the delete operator?

- The delete operator in JavaScript is used to delete an object's property. If it is used to delete an object property that already exists, it returns true and removes the property from the object. However, deleting an object property that doesn't exist will not affect the object, but will still return true.

14. What are all the types of Popup boxes available in JavaScript?

- There are 3 types of popup boxes in javascript
 1. Alert
 2. Confirm
 3. Prompt

15. 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.

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

- To open a new tab, we have to use `_blank` in the second parameter of the `window.open()` method. The return value of `window.open()` is a reference to the newly created window or tab or null if it failed.

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

- Event handlers attached to any DOM element are preserved.
- Replacement is done everywhere.
- It is not possible to append `innerHTML`.
- Breaks the document.
- Used for Cross-site Scripting.