**Module (JAVASCRIPT BASIC and DOM) -4**

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| **1** | **What is JavaScript?** |
|  | [JavaScript](https://developer.mozilla.org/en-US/docs/Glossary/JavaScript) is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else. |
| **2** | **What is the use of isNaN function?** |
|  | The JavaScript **isNaN()** Function is used to check whether a given value is an illegal number or not. It returns true if the value is a **NaN** else returns false. It is different from the Number**. isNaN()** Method |
| **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 (i.e., more negative than -Number. MAX\_VALUE) |
| **4** | **Which company developed JavaScript?** |
|  | Netscape Communications Corporation  (Brendan Eich), a Netscape Communications Corporation programmer, created JavaScript in September 1995. |
| **5** | **What are undeclared and undefined variables?** |
|  | * 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. |
| **6** | **Write the code for adding new elements dynamically?** |
|  | document. createElement() method you can create a specified HTML element dynamically in JavaScript. After creation you can add attributes. If you want the element to show up in your document, you have to insert in into the DOM-tree of the document.  **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");** |
| **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. Unlike the equality operator, the strict equality operator always considers operands of different types to be different. |
| **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?** |
|  | The[**readFile()**](https://www.geeksforgeeks.org/node-js-fs-readfile-method/) and **[writeFile()](https://www.geeksforgeeks.org/node-js-fs-writefile-method/)** methods are used to read and write of a file using javascript. The file is read using the readFile() function, which is an inbuilt method. This technique reads the full file into memory and stores it in a buffer. |
| **11** | **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 * **do/while** - also 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. This function returns an integer of base which is specified in second argument of parseInt() function. |
| **13** | **What is the function of the delete operator?** |
|  | 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. |
| **14** | **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. |
| **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.  when inserting an expression in a web page might produce some unwanted effect. **To remove this effect, “javascript:void(0)” is used.** This expression returns undefined primitive value. This is often used with hyperlinks |
| **16** | **How can a page be forced to load another page in JavaScript?** |
|  | 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. |
| **17** | **What are the disadvantages of using innerHTML in JavaScript?** |
|  | Disadvantages of innerHTML   * 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. |