Assignment [Module (JAVASCRIPT BASIC & DOM) – 4]

1. What is JavaScript ?

- JavaScript is a multi-paradigm, dynamic language with types and operators, standard built-in objects, and methods. Its syntax is based on the Java and C languages — many structures from those languages apply to JavaScript as well. JavaScript supports object-oriented programming with object prototypes and classes.

2. What is use of isNAN function?

- The isNaN() function determines whether a value is NaN , first converting the value to a number if necessary. Because coercion inside the isNaN() function can be surprising, you may prefer to use Number.isNaN() .

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

4. Which company developed JavaScript?

- 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.

5. What are undeclared and undefined variables?

- **Undefined** : It occurs when a variable has been declared but has not been assigned any value. Undefined is not a keyword.
- **Undeclared** : It occurs when we try to access any variable that is not initialized or declared earlier using the var or const keyword.

6. Write the code for adding new elements dynamically?

- The syntax and example are as follows: Element. setAttribute(name, value); // Where Element is the name of web element. // Here, we have created newDiv. // Where name is the attribute name and // value is the value that needs to be set For Eg: newDiv. setAttribute("class","container")

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?

↓ 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 .

10. 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.

11. What are all the looping structures in JavaScript?

↓ Loops are used in JavaScript to perform repeated tasks based on a condition. Conditions typically return true or false. A loop will continue running until the defined condition returns false.

- For loop
- For in loop
- while loop
- do while loop
- For of loop

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 the base which is specified in the second argument of the parseInt() function.

13. 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.

14. What are all the type of Pop up boxes available in JavaScript?

➕ JavaScript has three kind of popup boxes:

- Alert box
- Confirm box
- 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.

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.