**Module 6) JAVASCRIPT BASIC & DOM**

1. **What is JavaScript?**

* JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else.

1. **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.

1. **What is negative Infinity?**

* Description. Number. 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.

1. **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.

1. **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.

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

1. **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.

1. **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.

1. **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.

1. **How to read and write a file using JavaScript?**

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

1. **What are all the looping structures in JavaScript?**

* The JavaScript loops are used to iterate the piece of code using for, while, do while or for-in loops. It makes the code compact. It is mostly used in array.
* There are four types of loops in JavaScript.
* for loop
* while loop
* do-while loop
* for-in loop

1. **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.

1. **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. 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.

1. **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.

1. **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.

1. **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.

1. **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.