**MODULE: 4 (JavaScript Basic & DOM)**

• What is JavaScript?  
JavaScript is an open-source programming language. It is designed for creating web-centric applications. It is lightweight and interpreted, which makes it much faster than other languages. JavaScript is integrated with HTML, which makes it easier to implement JavaScript in web applications**.**

• 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

• 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) . JavaScript displays the NEGATIVE\_INFINITY value as -Infinity .

• Which company developed JavaScript?

JavaScript was invented by Brendan Eich in 1995. It was developed for Netscape 2, and became the ECMA-262 standard in 1997. After Netscape handed JavaScript over to ECMA, the Mozilla foundation continued to develop JavaScript for the Firefox browser. Mozilla's latest version was 1.8.

• What are undeclared and undefined variables?

that is not initialized or 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 declared earlier using the var or const keyword.

• Write the code for adding new elements dynamically?

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")

• 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.

• 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.

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

The class name is used as a selector in HTML which helps to give some value to the element attributes. The document. 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.  
• 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.

• What are all the looping structures in JavaScript?

Different Kinds of Loops

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.

• 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.

• What is the function of the delete operator?

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

Popup boxes like alert, prompt and confirm boxes are used for giving further step information to the user. Alert box for the warning, prompt box input values ...  
• 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.  
• 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.

• 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.