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?*

--> The isNaN() function determines whether a value is NaN when converted to a number. Because coercion inside the isNaN() function can be surprising, you may alternatively want 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 (i.e., more negative than -Number. MAX_VALUE) .

JavaScript displays the NEGATIVE_INFINITY

(4) Which company develop 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 1.8.5.

(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?

--> document. Create Element("<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 Session State?

--> 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?

-->The strict equality (===) operator checks whether its two operands are equal, returning a Boolean result

(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

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 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 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 popu boxes: Alert box, Confirm box, and Prompt box.

(15) What is the use of Void (0)?

--> "javascript: void(0)" is similar to void. javascript: void(0) means return undefined as a primitive value. We use this to prevent any negative effects on a webpage when we insert some expression. For example, in the case of URL 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?

--> There is no proper validation provided by innerHTML, so any valid HTML code can be used. This may break the document of JavaScript. Even broken HTML can be used, which may lead to unexpected problems.