**Module-4**

**1.What is javascript?**

JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc.

**2.what is the use of isNAN function?**

In Javascript isNaN() function is used to check if any value is NaN (which stands for 'Not-a-Number') or not. If the value passed is NaN, the function returns true else, it returns false.

**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 value as -Infinity .

**4.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.

**5.what are undeclared and undefined variables?**

Undeclared variables are those that have not been declared or defined in the current scope, while undefined variables are those that have been declared but not given a value.

**6.write the code for adding new elements dynamically?**

<div>

<h1>This is my webpage<h1>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Doloribus excepturi necessitatibus aliquam repudiandae laboriosam vel eius similique voluptate beatae dicta. Consequuntur ad explicabo voluptas iste odit nisi ipsam laboriosam totam.<p>

</div>

<section>

<h2>lorem<h2>

<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Vero, ut.<p>

</section>

<script>

let k = document.createElement("h3")

k = document.innerHTML = "!!!!!!!!! THIS IS MY JAVASCRIPT !!!!!!!!"

let a = document.createElement("h4")

a = document.innerHTML = "!!!!!!!!! CREATE A NEW ELEMENT !!!!!!"

document.body.append(k)

document.write("</br>")

document.body.append(a)

<script>

**7.what is the difference between viewstate and sessionstate?**

Session state is saved on the server, ViewState is saved in the page. Session state is usually cleared after a period of inactivity from the user (no request happened containing the session id in the request cookies). The view state is posted onsubseqent post back in a hidden field.

**8.what is == operator?**

The == operator means “is exactly equels to”matching by bothe value and data type.

**9.how can the style/class of an element be changed?**

Approach 1: Changing CSS with the help of the style property:

Syntax:

document.getElementById("id").style.property = new\_style

Approach 2: Changing the class itself – We can use two properties that can be used to manipulate the classes.

The classList Property: The classList is a read-only property that returns the CSS class names of an element as a DOMTokenList object.

Syntax: document.getElementById("id").classList

**10.How to read and write using javascript?**

Files can be read and written by using java script functions – fopen(),fread() and fwrite().

The function fopen() takes two parameters – 1. Path and 2. Mode (0 for reading and 3 for writing). The fopen() function returns -1, if the file is successfully opened.

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 fwrite(file, str);// str is the content that is to be written into the file.

**11.what are all the looping structure in java script?**

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?**

To convert a string to an integer parseInt(), Number(), and Unary operator(+) function is used in javascript. parseInt() function returns Nan( not a number) when the string doesn't contain number. If a string with a number is sent, then only that number will be returned as the output.

**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.

**16.how can a page be forced to load another page in javascrpt?**

In JavaScript, we can use window. location object to force a page to load another page. We can use the location object to set the URL of a new page. window.location.href = "new\_url";

**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.