**Assignment**

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

**1. What is JavaScript?**

Java Script is a dynamic interpreted programming Language and also allow to client side scripting to create completely dynamic web application

Java script was initially designed for making page 'alive'

Script can be executed in the browser itself.

JS is a safe Language also debugging

Slider

Dynamic CSS click change

Dynamic performance like addition subtraction

Conditional data changes

Event handling

Chrome V8 engine

DOM=> document object modeling

**2. What is the use of is NaN function?**

The is NaN() function is used to check whether a given value is an illegal number or not. It returns true if value is a NaN else returns false. It is different from the Number.

**3. What is negative Infinity??**

NEGATIVE\_INFINITY is the same as the negative value of the global object's Infinity property. This value behaves slightly differently than mathematical infinity: Any positive value, including POSITIVE\_INFINITY , multiplied by NEGATIVE\_INFINITY is NEGATIVE\_INFINITY

**4. Which company developed JavaScript?**

|  |  |
| --- | --- |
| Brendan Eich, a Netscape Communications Corporation programmer, created JavaScript in September 1995. It took Eich only 10 days to develop the scripting language, then known as Mocha. |  |

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

Undefined variable means a variable has been declared but it does not have a value. Undeclared variable means that the variable does not exist in the program at all.

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

<html>

<head>

<title>t1</title>

<script type="text/javascript">

function addNode()

{var newP = document.createElement("p");

var textNode = document.createTextNode(" This is a new text node");

newP.appendChild(textNode);

document.getElementById("firstP").appendChild(newP); }

</script> </head>

<body> <p id="firstP">firstP<p> </body>

</html>

**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?**

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.

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

There are two ways to do it:

1. Using JavaScript extensions (runs from JavaScript Editor), or

2. Using a web page and ActiveX objects (Internet Explorer only)

In JavaScript Extensions, you can use

fh = fopen(getScriptPath(), 0); to open a file

Using ActiveX objects, following should be included in your code to read a file:

var fso = new ActiveXObject("Scripting.FileSystemObject");

var s = fso.OpenTextFile("C:\\example.txt", 1, true).

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

In Java, there are three kinds of loops which are – the for loop, the while loop, and the do-while loop. All these three loop constructs of Java executes a set of repeated statements as long as a specified condition remains true. This particular condition is generally known as loop control.

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

**13. What is the function of the delete operator?**

The JavaScript delete operator removes a property from an object; if no more references to the same property are held, it 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 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 inner HTML in JavaScript?**

There is no append support without reparsing the whole inner HTML. This makes changing inner HTML directly very slow. Inner HTML does not provide validation and therefore we can potentially insert valid and broken HTML in the document and break it.