

# FRONT-END DEVELOPMENT

## ASSIGNMENT

### Part-1: Web Designing

#### MODULE:-4(JavaScript Basic & DOM)

##### 1). What is javascript?

-> Java script is a client side scripting language. It is use to lode on client side browser.

##### 2). What is use of is NaN function?

-> The NaN() Function is used to check whether a given value is an illegal number or not.

##### 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 java script.

##### 4). Which Company developed JavaScript?

-> Java script developed by **Netscape Communications Corporation.**

##### 5). What are undeclared and undefined variable?

-> **Undefined variable** means a variable has been declared but does not have a value.

Ex.. var a

-> **Undeclared variable** means that the variable does not exist in the program at all.

Ex.. a = 20;

## 6). Write the code for adding new elements dynamically?

-> **Syntax :** `document.createElement("<tagname>");`

Where, `// <tagname>` can be any HTML

`// tagname` like Div, ul, button, etc.....

`//new Div element has been created.`

**FOR EX.** `let new Div = document.createElement("div");`

## 7). What is the difference between View State and Session State?

-> The basic difference between these two is that the View State at the client's end, making state management easy for end-user while Session State at the server's end.

## 8). What is === operator?

-> The Strict equality(===) operator is a comparison operator. It 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 using javascript.

## 11). What are all the looping structures in JavaScript?

-> Loop structure allow you to run one or more lines of code repetitively. JavaScript support different kinds of loops like for-loop, while-loop, dowhile-loop, for in-loop, for in-loop etc...

**For loop:** This loop through a block of code a number of times.

**While loop:** This loop 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 use of attribute **parseInt()** to convert any string into integer.

Ex... `var d = parseInt(document.getElementById("run"));`

## 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 type of Pop up boxes available in JavaScript?

-> Javascript has three kind of popup boxes: **Alert box, Confirm box, Prompt box**.

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

-> Void means none, There is no value assign it. void return undefined.

Ex... `console.log(void(0));`

## 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.**

## 17). What are the disadvantages of using inner HTML in Javascript?

-> Disadvantage of using innerHTML in javascript is

- **The use of innerHTML very slow.**
- **Preserve event handlers attached to any DOM elements.**
- **Content is replaced everywhere.**

- **Appending to innerHTML is not supported.**
- **Old content replaced issue.**
- **Can break the document.**
- **Can also be used for Cross-site Scripting(XSS).**