**Web Designing Assignment**

**Module (JAVASCRIPT) -4**

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| • | What is JavaScript? |

JavaScript is the **Programming Language** for the Web.

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| • | What is the use of isNaN function? |

isNaN() converts the value to a number before testing it.

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| • | What is negative Infinity? |

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

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| • | Which company developed JavaScript? |

Netscape Communications by Brendan Eich in 1995.

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| • | 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.

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| • | Write the code for adding new elements dynamically? |

document.createElement("<*tagName*>");

Eg: **let newDiv = document.createElement("div");**

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| • | What is the difference between ViewState and SessionState? |

**ViewState** is a state of a page within a browser wherein the values of controls persist when post back operation is done. When another page is loaded, the previous page data is no longer available.

**SessionState** is the data of a user session and is maintained on the server side.

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| • | What is === operator? |

**Strict equality oprator** which is define datatype. And returning in boolean result.

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

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

we can use classlist property for change in class –

document.getElementById("id").classList

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| • | How to read and write a file using JavaScript? |

var.readFile(path, format, callBackFunction)

var.writeFile(path, inputData, callBackFunction)

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| • | 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.

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| • | How can you convert the string of any base to an integer in JavaScript? |

parseInt()

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| • | What is the function of the delete operator? |

removes a property from an object.

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

Alert box, Confirm box, and Prompt box.

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| • | What is the use of Void (0)? |

We use this to prevent any negative effects on a webpage when we insert some expression. For example, in the case of URL hyperlinks.

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| • | How can a page be forced to load another page 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.

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| • | What are the disadvantages of using innerHTML in JavaScript?   * 1. Event handlers attached to any DOM element are preserved. * 2. Replacement is done everywhere. * 3. It is not possible to append innerHTML. * 4. Breaks the document. * 5. Used for Cross-site Scripting. |