**What is Java Script?**

Java script is a dynamic computer programming language.

Commonly used as a part of web pages.

Client side script allows interacting with the user and making dynamic pages.

Example:

<html>

<head>

<script language=”java script” type=”text/javascript”>

Java script code

</script>

</head>  
<body>

</body>

</html>

**Sample Code**: document.write(“Hello World”);

**Sample Function Calling Code:**

<html>

<head>

<script>

function disp()

{

document.write("Hello World");

}

</script>

</head>

<body>

<button type="button" onclick="disp()">Click Me</button>

</body>

</html>

**Data types of Java Script**: Numbers, Strings and Boolean

**Variables**

Variables are declared initially using the keyword var.

Example: var sname,regno;

Variable name can be initialized.

Example: var sname=”Raju”,regno=”22170010”;

Variable Name –

* Name should not start with a number (0-9). (sname1 is correct, 1sname is wrong)
* Java script variables are case sensitive. Sname and sname are different variables.

**Arithmetic Operators**

+ Addition 5+3 8

- Subtraction 5-3 2

\* Multiplication 5\*3 15

/ Division 5/3 1

% Modulus 5%3 2

++ Increment a=5, a++ 6

-- Decrement a=5, a-- 4

**Assignment Operator** - =

**Comparison Operators**

== Equal to (a == b)

!= Not Equal to (a!=b)

> Greater than (a>b)

>= Greater than or equal to (a>=b)

< Less than (a<b)

<= Less than or equal to (a<=b)

**Logical Operators**

&& (Logical AND)

If both the operands are true then the condition becomes true.

A B

T T True

T F False

F T False

F F False

|| (Logical OR)

If any one of the operands are true then the conditions becomes true.

A B

T T True

T F True

F T True

F F False

**! (Logical Not)**

Represents the logical state of its operand.

**Javascript Display Data**

1. document.write() – Displayed in the HTML output. Existing HTML data will be erased.
2. Alert() – An alert box is used to display data.
3. innerHTML – to access an HTML element, javascript uses this command.
4. Document.getElementById(id) – This can be used to get input of the values typed. Document.getElementById(id).value