# 4. Basic JavaScript

## 4.1 Introduction to JavaScript

JavaScript is the scripting language used for writing logic in the website by means, to create dynamic website.

## 4.2 Ways to include JavaScript

- script can be placed either in <head> or <body> tag, with the help of <script> tag.

- Generally, placing script at the end of <body> tag is preferable, as it will result in faster page loading. As, JS is blocking in nature so, whenever browser encounters <script> tag it stops the execution of rendering visual content and starts loading script.

- we can write JS directly in the script tag like,

<script>

let a = 5;

console.log(a);

</script>

- or we can write script in separate file and then, load in the web-page.

<script src="./script.js" > </script>

- Core - JavaScript related information you will find in 4\_basic\_JS/core\_js and 5\_advance\_js/core\_js

## 4.3 DOM manipulation

- In browser, Window is the global object. which contains following:

    |- Window

        |- DOM

        |- BOM

        |- core JavaScript

    - DOM (Document Object Model) -> represents HTML document itself.

    - BOM (Browser Object Model) -> represents all features of the browser other than, DOM. like alert, prompt etc...

- DOM Manipulation related all the practical information is available in 4\_basic\_js folder.