**JavaScript BOM Model**

Note : use live

**Browser Object Model (BOM)** is a programming interface JavaScript tool for working with web browsers. This enables access & manipulation of the browser window, frames, and other browser-related objects by facilitating the JavaScript code.

It provides a way to interact with the browser and access information about the user's environment.

Main BOM Objects :

1. window: The top-level object, representing the browser window.
2. document: Represents the HTML document loaded in the window.
3. screen: Provides information about the user's screen.
4. location: Represents the current URL.
5. navigator: Provides information about the browser.
6. history: Represents the browser's history.

BOM Window Object :

The ‘window object in JavaScript represents your web browser’s window. Everything you create in JavaScript, like variables and functions, is automatically part of this window.

<!DOCTYPE html>

<html>

    <head>

        <title>This is title for page</title>

    </head>

    <body>

        <a href="main.html">Page.link</a>

        <script>

*var* name=window.prompt("hello user");

            window.alert("WARNING! "+name);

            window.confirm("confirm your action: "+name);

            console.log("hello world");

*var* msg="hello world";

            document.write("<h1> JS var="+msg+"</h1>");

*// window object*

            document.write("<h1> window.innerHeight="+window.innerHeight+"</h1>");

            document.write("<h1> window.innerWidth="+window.innerWidth+"</h1>");

            document.write("<h1>current page url="+window.location.href+"</h1>");

            document.write("<h1>window.open="+window.open("https://www.youtube.com","\_blank")+"</h1>");

*/\**

*<a target="\_blank|\_self|\_parent|\_top|framename">*

*\_blank  Opens the linked document in a new window or tab*

*\_self   Opens the linked document in the same frame as it was clicked (this is default)*

*\_parent Opens the linked document in the parent frame*

*\_top    Opens the linked document in the full body of the window*

*framename   Opens the linked document in the named iframe*

*\*/*

        </script>

    </body>

</html>

BOM Document Object :

The **Document Object** in the **Browser Object Model (BOM)** is a part of the **Document Object Model (DOM)**. It represents the structure and content of a webpage, allowing JavaScript to interact with and manipulate HTML elements. Through the document object, you can access and modify elements, attributes, and content on the webpage.

<!DOCTYPE html>

<html>

    <head>

        <title>This is title for page</title>

    </head>

    <body>

        <a href="main.html">Page.link</a>

        <form>

            <pre>

            <label>Enter id:</label>

            <textarea id="data"></textarea>

            <button id="submit" class="submit">Submit</button>

            </pre>

        </form>

        <h1 class="t1">a</h1>

        <h1 class="t1">b</h1>

        <h1 class="t1">c</h1>

        <script>

*//document object*

           document.write("<h1> Title of Page="+document.title+"</h1>");

           document.write("<h1> Current URL="+document.URL+"</h1>");

           document.write("<h1> Reference URL="+document.referrer+"</h1>");

           if(document.referrer.includes("http://127.0.0.1:5500/BOM/main.html")){

               document.write("<h1>came from Reference</h1>");

           }

           document.write("<h1> Cookie= "+document.cookie+"</h1>");

           document.write("<h1>Msg</h1>");

           document.write("<h1>for each query selector: </h1>");

*var* t1s=document.querySelectorAll(".t1")

           t1s.forEach(function(t){

               document.write("<h1>"+t.textContent+"</h1>")

           });

*var* button=document.getElementById("submit");

           button.addEventListener("click",function(){

*/\**

*Anonymous functions are functions without a name, commonly used*

*for short-lived operations like event handling or callbacks.*

*\*/*

*//var input=dataval.value;*

*//document.write("<h1>user val= "+input+"</h1>");*

*var* dataval=document.getElementById("data");

               document.write("<h1>dataval= "+dataval.value+"</h1>");

           });

        </script>

    </body>

</html>