

27/10/23

Ques5. What is BOM? DOM? Diff. between BOM vs DOM?

Ans:

DOM: Objects that have to do with the currently loaded page (the page is also called the document)

BOM: Objects that deal with everything outside the page (the browser window and the desktop screen)

Document Object Model (DOM)	Browser Object Model (BOM)
It mainly focuses on the structure of the displayed document.	It mainly focuses on browser-specific functionality.
It facilitates a standardized interface to access and modify the elements and content of an HTML or XML document.	It allows JavaScript to interact with browser features beyond the scope of manipulating the document structure.
When an HTML document gets loaded in the browser, then it becomes a document object.	In this case, the window object will be created automatically by the browser.
It facilitates access and manipulation, along with dynamically updating the structure, content, and styling of the web document.	It facilitates the different functionality for governing the browser window, handling the navigation, managing history, and accessing browser-related information.
It provides direct access control to the content of the web document, along with permitting the traversal and modification of its elements and attributes.	It doesn't have any access to the content of the web document directly.

Ques6. How to use `document.getElementsByTagName()` method?

Ans: The `document.getElementsByTagName()` method returns all the element of specified tag name.

The syntax of the `getElementsByTagName()` method is given below:

```
document.getElementsByTagName("name")
```

To use the `document.getElementsByTagName()` method, you can:

- Call the `getElementsByTagName()` method on the global document object.
- Pass in the tag name as the argument.
- The method returns an array-like object called HTML Collection.
- To extract information, you can iterate through all the elements using the `length` property.

Example for `document.getElementsByTagName()` method:

- Select the button Count H2 using the `getElementById()` method.
- Hook the click event of the button to an anonymous function.
- In the anonymous function, use the `document.getElementsByTagName()` to get a list of H2 tags.
- Show the number of H2 tags using the `alert()` function.
- The special string `*` represents all element.