**JAVA SCRIPT DOM**

With the help of DOM we can

1) change/remove html elements in the DOM

2) change/add CSS styles

3) Read and Change element attributes.

Use dom1.html file

We add javascript source file to an html page with the tags:

<script src= “something.js”> </script>

document object is provided by the browser.

document.getElementById(‘id’)

id’s should be unique. If they arent then the browser/js will give unexpected results.

class isnt unique. you can name different sections as same class.

document.getElementByClassName(‘class\_name’); will be used.



html5 attributes in the tags must be written in all lower case. Some browsers correct the mistakes but some dont. They may lead to errors.

**QUERY SELECTOR**

Use DOM2.html, styles2.css, dom2.js

We know how to call elements with iD and Class. We can call with the help of querySelector too.

const lol=document.querySelector(‘#the\_id\_of\_the\_element’);

However, it returns null if the dom didnt load yet. If the script is called before the dom loads then lol will be null. Hence, call the function after the dom loads.

For query selector use dom2.html and dom2.js.

So basically querySelector uses CSS selector format.

querySelector() will return only the first element.

querySelectorAll() will return all the elements as given in the css selector expression.

**CHANGING THE TEXT AND HTML CONTENT**

Use dom3.html, styles3.css, dome3.js

.innerHTML =>modifies html inside an element. can take html script.

.textContent=>modifies text inside a tag

**DOM NODES**

Use dom4.html, styles4.css,dom4.js

Every single element is a node.

Elements are one type of nodes

Text is another type of node.

Comment is also a type of node.

Attribute is also a type of node

node.nodeType will you the nodeType. It returns a number.

console.log(document.querySelector(“#id.nodeType”);

See the nodeType table: <https://www.w3schools.com/jsref/prop_node_nodetype.asp>

1=element

2=attribute

node.nodeType

node.nodeName

node.cloneNode(true);

**TRAVERSING DOM**

Use dom5.html, styles5.css,dom5.js

node.children;

node.childNodes

node.parentElement

node.parentNode

node.hasChildNodes();

node.nextSibling

node.nextElementSibling

node.previousSibling

node.previousElementSibling

**DOM EVENTS/REMOVING CONTENT FROM DOM-PART**

Use dom6.html, dom6.js,styles6.css