

## Dom Manipulation

(i) Ways to access elements;

(i) Id method

Syntax;

document.getElementById(".....")

↓  
It returns the value of Id.

(ii) By using class

Syntax;

document.getElementsByClassName(".....")

(iii) By using tagName

Syntax;

document.getElementsByTagName(".....")

(iv) Query Selector

Syntax; document.querySelector(".....")

↓  
It only gives out first elements

(v) Query Selector All

Syntax;

document.querySelectorAll(".....")

- i) `tagName`: returns the tags used
- ii) `innerHTML`: returns text content of element and all its children
- iii) `innerText` → plain text with tags used

## Accessing Attributes

`getAttributes(Attribute)`

i) `setAttribute("Attribute", "value")`

for creating new elements we use  
`createElement("...")`

done by four ways:

- i) `node.appendChild("element")` → Adds at end of the node.
- ii) `node.prepend("element")` → Adds at the starting.
- iii) `node.before("Element")`
- iv) `node.after("Element")`

## Events

→ Events are the interesting changes in javascript.

Some of the events are given below!

|                |                                  |
|----------------|----------------------------------|
| Keyboard event | } → These are some of the events |
| Mouse event    |                                  |
| Print event    |                                  |
| Form event     |                                  |

&

→ External Event handling.

Syntax:

node.event = () →

{

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

} code

}

Event Object

→ node.event = (evt) →

{

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

code

}

## Event listener

Syntax:

node.addEventListener(evt, callback)

## Remove event listener

Syntax:

node.removeEventListener(evt, callback)

# Asynchronous javascript

- In Asynchronous javascript execution of multiple lines occurs simultaneously
- javascript is not Asynchronous, it is Synchronous.

eg: `console.log("xyz");`  
`SetTimeout(function() {`  
`console.log("t110");`  
`}, 2000)`  
`console.log("t1101");`

output: `xyz`  
`t1101`  
`t110`

- Accessing elements to main stack from the Side Stack is termed as "Event Loop".