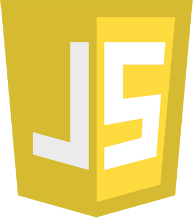


The **HTML DOM** is an **Object Model** for **HTML**. It defines:

* HTML elements as **objects**
* **Properties** for all HTML elements
* **Methods** for all HTML elements
* **Events** for all HTML elements



The **HTML DOM** is an **API** (Programming Interface) for **JavaScript**:

* JavaScript can add/change/remove HTML elements
* JavaScript can add/change/remove HTML attributes
* JavaScript can add/change/remove CSS styles
* JavaScript can react to HTML events
* JavaScript can add/change/remove HTML events

The W3C DOM standard is separated into 3 different parts:

* Core DOM - standard model for all document types
* XML DOM - standard model for XML documents
* HTML DOM - standard model for HTML documents

LEARN:

* Navigate DOM and the Query Selector
* Changing DOM/ Manipulating elements, content & css
* Interacting with form & events
* Creating new elements

FINDING HTML Elements:

* document.getElementById(id)
* document.getElementByTagName(name)
* document.getElementByClassName(name) !IE
* -----
* document.querySelectorAll(css selectors) !IE
* By html object collection

CHANGING HTML Elements:

* element.innerHTML = “content”
* element.attribute = new value
* element.style.property = new style
* or
* element.setAttribute(attribute, value)

ADDING and DEETING Elements

* document.createElement(element)
* document.removeChid(element)
* document.appendChild(element)
* document.replaceChild(new , old)
* document.write(text)

ADDING Event Handlers

* document.getElementById(id).onclick = function () {….}

HTML Objects

1. document.anchors
2. document.baseURI
3. document.body
4. document.cookie
5. document.doctype
6. document.documentElement //return <html> element
7. document.documnetMode //return mode used by browser
8. document.domain //domain name of document server
9. document.embeds
10. document.forms
11. document.head
12. document.image
13. document.impementation //DOM implementation
14. document.inputEncoding //document encoding
15. document.lastModified
16. document.links //<area> and <a> which has href attribute
17. document.readyState // loading status
18. document.referrer /URI of referrer
19. document.scripts
20. document.title
21. document.URL