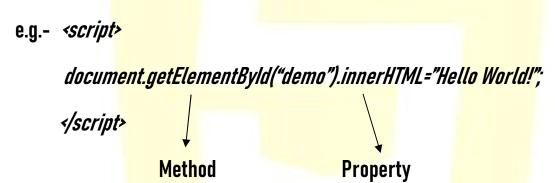
# CHAPTER 8 – JS METHODS & DOCUMENTS

## **JS Properties & Methods**

A property is a value that you can get or set (like changing the content of an HTML element). HTML DOM properties are values (on HTML Elements) that you can set or change.

A method is an action you can do (like add or deleting an HTML element). HTML DOM methods are actions you can perform(on HTML Elements).



# The HTML DOM Document Object

If you want to access any element in an HTML page, you always start with accessing the document object.

Some examples of how you can use the document object to access & manipulate HTML.

#### 1. Finding HTML Elements

Method	Description
document.getElementById(id)	Find an element by element id
document.getElementsByTagName(name)	Find elements by tag name
document.getElementsByClassName(name)	Find elements by class name

e.g.- i. const element = document.getElementByld("intro");
ii. const element = document.getElementsByTagName("p");
iii. const x = document.getElementsByClassName("intro");

#### 2. Changing HTML Elements

Property	Description
element.innerHTML = new html content	Change the inner HTML of an element
element.attribute = new value	Change the attribute value of an HTML element
element.style.property = new style	Change the style of an HTML element
Method	Description
element.setAttribute(attribute, value)	Change the attribute value of an HTML element

```
e.g.-
i. <html>
<body>
Hello World!
<script>
document.getElementById("p1").innerHTML = "New text!";
</script>
</body>
</html>
ii. <!DOCTYPE html>
<html>
<body>
<h1 id="id01">Old Heading</h1>
<script>
const element = document.getElementById("id01");
element.innerHTML = "New Heading";
</script>
</body>
</html>
iii. <html>
<body>
Hello World!
<script>
document.getElementById("p2").style.color = "blue";
</script>
</body>
</html>
iv. <!DOCTYPE html>
<html>
<body>
<img id="mylmage" src="smiley.gif">
<script>
document.getElementById("myImage").src = "landscape.jpg";
```

```
</script>
</body>
</html>
```

### 3. Adding & Deleting Elements

Method	Description
document.createElement(element)	Create an HTML element
document.removeChild(element)	Remove an HTML element
document.appendChild(element)	Add an HTML element
document.replaceChild(new, old)	Replace an HTML element
document.write(text)	Write into the HTML output stream

## 4. Adding Events Handlers

Method	Description
<pre>document.getElementById(id).onclick = function(){code}</pre>	Adding event handler code to an onclick event

```
e.g.- <!DOCTYPE html>
<html>
<body>
<h1 id="id1">My Heading 1</h1>
<button type="button"
onclick="document.getElementById('id1').style.color = 'red'">
Click Me!</button>
</body>
</html>
```