

# JavaScript

## DOM

### Cheatsheet

A yellow square containing the letters 'JS' in a bold, black, sans-serif font, representing the JavaScript logo.

JS

## Warm Up

The DOM is an interface between scripting languages and a web page's structure.

With the help of DOM, JavaScript has the ability to create dynamic HTML.



# Accessing Elements

Different Methods to select a HTML element or elements:

Method	Description
<code>getElementById()</code>	Selects an individual element within a document using a specific id
<code>querySelector()</code>	Selects the first matching element within a document
<code>getElementsByClassName()</code>	Allows you to select all elements with a given class attribute
<code>getElementsByTagName()</code>	Locates all elements that match a given tag name
<code>querySelectorAll()</code>	Selects one or more elements

## Accessing and Updating Content

Property	Description
innerHTML	Get or set the HTML content of an element.
textContent	Get or set the text content of an element.

# Adding and Deleting Elements

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

# Traversing the DOM

The process of selecting another element based on its relationship to a previously selected element.

Property	Description
parentNode	Locates the parent element of an initial selection
previousSibling	Finds the previous sibling of a selected element
nextSibling	Finds the next sibling of a selected element
firstChild	Finds the first child of a selected element

# Types of Events

Events are actions taken by a user that can trigger updates in the DOM. Few different types are:

Events	Description
click	When a element is clicked
keydown	When the user first presses a key on the keyboard
keyup	When the user releases a key on the keyboard
focus	When an element has received focus
blur	When an element loses focus

## Types of Events

Events	Description
submit	When the user submits a form
load	When the page has finished loading
resize	When the browser window has been resized
scroll	When the user scrolls up or down on the page

Which event is missing? Comment below...