# JavaScript Tutorial

## DOM Modification

Finding elements:

* document.getElementById(“id”): Returns the element with id “id”
* document.getElementByTagName(“name”): Returns an array containing all elements of type “name” (e.g. “div”)
* document.getElementsByClassName(“name”): Returns an array containing all elements that have class “name”
* document.querySelector(“css selector”): Returns the first element that matches “css selector”
* document.querySelectorAll(“css selector”): Returns an array containing all elements that match “css selector”

Changing HTML elements:

* element.innerHTML = “…”: sets the content of an HTML element
* element.attribute = “…” or element.setAttribute(attribute, value): Sets the attribute of an HTML element
* element.style.property = “…”: Sets a CSS property of an HTML element

Creating elements:

* document.createElement(“element”): Creates an element of type “element” (e.g. “div”)
* element.appendChild(newElement): appends an element to another element

Adding/removing classes to an element:

* element.classList.add(“class”): Adds a class to an element
* element.classList.remove(“class”): Removes a class from an element

Children of an element:

* element.childNodes: Returns an array containing all children of an HTML element

## Arrays

* array.length: Returns the length of the array
* array.indexOf(element): Returns the index of element in the array and -1 if the element is not in the array