

## DOM (Document Object Model) Document

### FIND HTML ELEMENTS

document.getElementById(id) ex: <div id="idname">

document.getElementsByTagName(name) ex: all <p> elements

document.getElementsByClassName(name) ex: <p class="className"> returns array

document.querySelectorAll("p.intro")

document.forms[0].inputName ex: <form name="formName"><input name="inputName"></form>

### CHANGE HTML ELEMENTS

element.innerHTML = new html content ex: <p>replace content here</p>

element.setAttribute(attribute, value) change the attribute value of an HTML elem

element.style.property = new style change the style of an HTML elem

element.src="url" change value of 

element.value = 'value' ex: <input value="new value">

### Adding and deleting elements

document.createElement(elem) ex: document.createElement("button") creates <button></button>

document.removeChild(elem) remove a html elem

document.appendChild(elem) add en html elem

document.replaceChild(elem) replace an html element ex: list.replaceChild(textNode, list.childNodes[0])

document.write(text) white into html output stream

## Arrays

### Indexed arrays

var objectArray = ["Saab", Date.now, myFunction]; cars[0] returns "Saab"

var array = [] initialize empty array

var array = new Array(40) 40 uninitialized elems!

### Associative arrays

var person = {firstName:"John", lastName:"Doe", age:46}; person.lastName or person["lastName"] returns

### Looping indexed arrays

for(var i = 0; i < arrayName.length; i++) { return arrayName[i]}

### Looping associative arrays

for (var keyEtudiant in tabEtudiant) {print keyEtudiant+"."+tabEtudiant[keyEtudiant]}

### Array methods

arrayName.toString() convert array contents to string

arrayName.join("separator") same as above: elem1 elem2 elem3

arrayName.pop() removes last elem

arrayName.push(elem) add new element to end of array

arrayName.shift() removes first elem from array | returns value of arrayName[0]

arrayName.unshift(elem) adds new elem to beginning of array

arrayName.length returns number of elems in array

delete arrayName[0] changes first elem of array to undefined

arrayName.splice(position, numElems, elemToAdd1, elemToAdd2) add nzw items to an array

arrayName.splice(startingPos, numElemesToDelete) removes numberOfElems to delete starting from startingPos

## Arrays (cont)

var pets = catsArray.concat(dogArray); joins two array together into one

elem.innerHTML = arrayName; replaces HTML content of elem by string containing the elems of arrayName

### Sorting arrays

arrayName.sort() sorts elems from less important to most important

arrayName.reverse() sorts most important to less important