

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">
document.querySelector("p.intro")	returns array
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
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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("seperator")	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, elementToAdd2)	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