Javascript Idiomatic Javascript:

https://github.com/rwaldron/idiomatic.js/

DOM:

Get list: document.getElementsByTagName("li")
(Elements, so it get all the elements, it's 負數(elements)) so it is always an array
If we want single: you use it like a array with "[index]"
document.getElementsByTagName("li")[1].style.color = "purple"

There is also "get element by classname, id...."

Use getelementBY ID => you get only one element!

Ex:

document.getElementById("title").innerHTML = "Goodbye"

Another allow you to select single element is query select element: document.querySelector(), you could put element, id or class inside the () Ex; document.querySelector("#title") <h1 id="title">Goodbye</h1>

You can also combined selector: document.querySelector("li.item") document.querySelector("li a")

Give you an array: document.querySelectorAll("li.item")

Query selector allow you to target more specifically, you will see it more often than get element!

Object style property:

https://www.w3schools.com/jsref/dom_obj_style.asp

Notice: HTML => content CSS => style JAVASCript => behavior

Another DOM example: change the behavior through javascript with CSS style document.querySelector("#title").classList.toggle("huge")
TextContent:

If you select h1 with innerHTML, it will gives you the all inner html (any html element): So you could also change html tag with em sign,

```
'"Hello"

document.querySelector("h1").innerHTML = "<em>Good Bye</em>";

"<em>Good Bye</em>"

>
```

However the "textContent option" could only change html

Changing the attributes!

```
document.querySelector("a").getAttribute("href")
document.querySelector("a").setAttribute("href", "www.mcgill.com")
```

Event listener example:

```
document.querySelector("button").addEventListener("click",handleCLick);
function handleCLick(){
    alert("I get clicked");
}
```

We could also use anonymous function:

```
document.querySelector("button").addEventListener("click",
function (){
   alert("I get clicked");})
```

Javascript: object

```
var bellBoy1 = {
  name: "Timmy",
  age: 19,
  hasWorkPermit: true,
  languages: ["French", "English"]
}
```

Constructor Function

```
function BellBoy (name, age, hasWorkPermit, languages) {
  this.name = name;
  this.age = age;
  this.hasWorkPermit = hasWorkPermit;
  this.languages = languages;
}
```

In constructor, the name has to be capitalized

```
var bellBoy1 = new BellBoy("Timmy", 19, true, ["French", "English"]);
```

This is creating object with constructors

```
var bellBoy1 = {
  name: "Timmy",
  age: 19,
  hasWorkPermit: true,
  languages: ["French", "English"],
  moveSuitcase: function() {
    alert("May I take your suitcase?");
    pickUpSuitcase();
    move();
}
```

Create a anonoymose function

Event reference:

https://developer.mozilla.org/en-US/docs/Web/Events