JAVASCRIPT

This worksheet aims to be a first contact with Javascript. The purpose of these exercises is to explore the language and test its integration with HTML content.

1) MY FIRST JAVASCRIPT PAGE

a) Create the folder "CAD/Worksheets/04-Javascript/part-1" and copy the pages and css folders from last class. It is important to follow this structure to later use GIT. Copy to the folder all HTML files from the previous worksheet;

b) Inside the folder "CAD/Worksheets/04-Javascript/part-1/" create a folder "js" and a file "index.js";

c) As we are going to use "strict mode", user the following wrapper in your Javascript file:

```javascript
(function() {
 'use strict';


 // Your code goes here!


})();
```

d) Use the alert function to show a "Hello World" message
(https://developer.mozilla.org/en-US/docs/Web/API/Window/alert)

e) Check if the solution is HTML compliant;

f) Commit and push your changes to the remote repository.

2) HOME SWEET HOME

a) Reuse the Dashboard (index.html) for the Home Sweet Home page (from the previous classe) to respond to clicks on the toggle buttons;

b) Add adequate (meaningful) ids to the toggle buttons on your page;

c) Whenever the user clicks on the button, its value toggles between on and off.

d) Change the icon of the lamp or temperature sensor to reflect the on or off state

e) Whenever you toggle the temperature sensor on of off, generate a new temperature value (without reloading the page)