



Discovery Piscine

Cell 3-1

Resumen: In this cell, we see how javascript works.

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Capítulo I

A word about this Discovery Pool

Welcome !

You will begin the first cell of this discovery pool of computer programming. We want to both show you what the code is that makes up the software you use every day, and at the same time experience peer-learning, an educational model of 42.

Programming involves logic (not math). It provides you with elementary bricks, which you assemble as you wish. There is never THE solution to a problem. There will be your solution, there will be those of each of your neighbors. Slow or fast, ugly or beautiful, if that gets the job done, that's all it takes! This assembly of bricks will constitute a series of orders (calculation, display, ...) that the computer will perform, in the order you have chosen.

Rather than giving you a course with only one solution for each problem, and which will probably be outdated in a few years, we have chosen to put you in a peer-learning situation. You are going to look for the elements that could serve you for your challenge, sort out those that are actually interesting by testing and manipulating them, and create your own program. To do this, discuss with others, exchange your points of view, find new ideas together, and finally test for yourself even to convince you that it works.

Peer-evaluation is a key moment to discover other ways of doing things, as well as special cases that you have not thought of and that could undermine your program (think about your degree of nervousness with software which crashes). Like different clients who don't pay attention to the same things, each reviewer will be different from the last. And who knows, you might have made new acquaintances for later collaborations.

At the end of this pool, you will not have done the same things as the other participants, you will not have validated the same projects, you will have chosen to do one challenge rather than another ... and that's normal! It's both a collective and a personal experience. Everyone will benefit from what he or she experiences during this time.

Good luck to all, we hope you will like this discovery.

Capítulo II

Introduction

What this cell will make you see :

- Discovery of how a web page works.
- Discovery of the Javascript.

Capítulo III


General instructions

Unless explicitly specified, the following rules will apply every day of this Piscine.

- This subject is the one and only trustable source. Don't trust any rumor.
- This subject can be updated up to one hour before the turn-in deadline.
- The assignments in a subject must be done in the given order. Later assignments won't be rated unless all the previous ones are perfectly executed.
- Be careful about the access rights of your files and folders.
- Your assignments will be evaluated by your Piscine peers.
- All shell assignments must run using `/bin/bash`.
- You must not leave in your turn-in your workspace any file other than the ones explicitly requested By the assignments.
- You have a question? Ask your left neighbor. Otherwise, try your luck with your right neighbor.
- Every technical answer you might need is available in the `man` or on the Internet.
- Remember to use the Slack workspace dedicated to your piscine!
- You must read the examples thoroughly. They can reveal requirements that are not obvious in the assignment's description.
- By Thor, by Odin! Use your brain!!!

Capítulo IV

Exercise 01: Explode this balloon

	Ejercicio: 01
Explode this balloon	
Directorio de entrega: <i>ex01/</i>	
Archivos a entregar: balloon.html	
Funciones autorizadas: HTML, CSS, JS	

For this exercise, you will blow a balloon. To start, your HTML file will have a basic structure similar to the one seen in the introduction video. No library allowed.

Create in HTML/CSS a **div 200px by 200px** with a red background color. The borders will be rounded to create a perfect round shape and not a square anymore. That **div** will then be our balloon.

When a click occurs on the balloon, its size will grow by **10px** while keeping its round shape. With each click its color will go in that order from red to green, then blue and back to red again.

Usually, this type of balloon is rather resistant but if its size becomes greater than **420px** it will explode and return to its original size.

Small additional detail, when the mouse is in the balloon and leaves it, the size of the balloon shrinks by **5px** (the size of the balloon cannot go lower than **200px**) and its color changes in the reverse order than mentioned earlier.

Capítulo V

Presentación y evaluación por pares

- En la carpeta `discovery_piscine` de la raíz de su home, cree una nueva carpeta `cell103` y navegue hasta ella.
- A partir de ahora, todos los ejercicios deben estar en la carpeta correcta de renderización. El ejercicio 00 en la carpeta `ex00`, el ejercicio 01 en la carpeta `ex01`, etc ... usted consigue la lógica.



Tenga en cuenta que durante su defensa todo lo que no esté presente en la carpeta del día no será revisado.