



Lab1.part1 - HTML & CSS reminders

In this programming lab, you will be completing a series of exercises that will help you structure and style web pages.

Exercise 1: HTML

The objective of this exercise is to create a simple web page using an HTML editor of your choice (preferably VScode)

- 1 Create a minimal html file called **Lab1Exo1.html**, with the title 'TRIAL'.
- 2 Create 4 level-one heading (h1) containing the text of your choice.
- 3 Create 2 or 3 level-two heading after each level-one heading.
- 4 Create 1 or 2 paragraphs for each level-two heading.
- 5 Starting with the root element, what is the depth of the tree representing your document's DOM (Document Object Model)? Draw the DOM tree of **Lab1Exo1.html**.
- 6 In your browser, open the "developer tools" tab (F12 on Chrome) or by right-clicking on an element and choosing "inspect element":
 - 6.1 Using "DOM inspector" which allows you to explore the DOM tree, verify its conformity with the DOM obtained in 5.
 - 6.2 The "DOM inspector" allows you to modify and delete elements of the tree. Modify / or delete elements by refreshing your page.
- 7 In your paragraphs, include some words or groups of words with tags: ****, **<i>**, ****, ****.

Exercise 2: Visual elements, lists, links

- 1 Create a new HTML file called **TP1Exo2.html**. Add two <h1> elements to it, the first containing "Main Content" and the second "Other Links".
- 2 Add some paragraphs to the main content.
- 3 Using the **** element:
 - 3.1 add an image between 2 paragraphs by specifying the **src** attribute that should contain an absolute or relative address to your image, and the **alt** attribute (which will be displayed if the image is not found).
 - 3.2 Use an invalid address (non-existent for example) to verify that the alternate text is displayed.
 - 3.3 Now use a valid address for the image either by specifying an image in the same folder as your HTML file or by referencing an image online (you can use <http://lorempixel.com> or <http://placekitten.com/>).
 - 3.4 Place the same image in the middle of a paragraph? How does the text appear?
- 4 Add a video element with the **src** attribute = video file address (local or online with video file address not a web page).
- 5 We want the video to be displayed and executed, for this, add/remove the controls and autoplay attributes (which can be = "") to see their effect.

Now, we will fill in the "Other Links" section of the page.

- 1 Create an unordered list **** at the end of the page.
- 2 Add 5 items **** of your choice.
- 3 In one of the items, add a link with an **<a>** element with an **href** attribute pointing to the following link: <http://www.openstreetmap.org/>



- 4 Add another link to the page created in exercise 1.
- 5 Add another link by adding the `target="_blank"` attribute.
What happens with this link?
- 6 We will now create links to specific places in the page.
 - 6.1 In the file `TP1Exo1.html`, take an `h2` element near the bottom of the page and add an `id="point1"` attribute to it.
 - 6.2 In `TP1Exo2.html`, add a link referencing [TP1Exo1.html#point1](#).
What happens when you click on this link?
 - 6.3 Now, add an `id="Top"` attribute to an element at the beginning of the `TP1Exo2.html` document, then add a link in your list "Go to Top" that references `#Top`.

- **Deadline:**

At the end of each Lab session (no later than **Saturday, October 7 at 23:59**)

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- **File's Name to be submitted:**

CAW_Lab1.part1_Gr%_NAMEPair1_NAMEPair2.zip

Example : "CAW_Lab1.part1_Gr1_CHEKATI_BOUZENADA.zip"

Drive for *Web Application Design* (Conception d'App. Web)'s materials



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