



C1 - Pool PHP

C-COD-150

HTML/CSS

Day 01

HTML/CSS

repository name: html_css_d01

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- The totality of your source files, except all useless files (binary, temp files, obj files,...), must be included in your delivery.
- Error messages have to be written on the error output, and the program should then exit with the 84 error code (0 if there is no error).



FOREWORD

Today, the exercises follow each other and are not independent. They are to be done in order.

We advise you to copy/paste everything between two exercises before adding the requested functionalities.

As a reminder, today's exercises will not be corrected automatically.

All HTML pages must respect the basic HTML structure.



EXERCISE 01 (1PT)

File to turn in: `html_css_d01/ex_01/index.html`

File to turn in: `html_css_d01/ex_01/php.html`

File to turn in: `html_css_d01/ex_01/sql.html`

Create a HTML file named **index.html**.

Display “Welcome to CodingPedia” on that page.

Create the pages **php.html** and **sql.html** for later use.

EXERCISE 02 (1PT)

File to turn in: `html_css_d01/ex_02/index.html`

Insert the phrase “Welcome to CodingPedia” in a level 1 title tag.

Create a paragraph describing the content of your site:

“CodingPedia is a collective encyclopedia project on the Internet aiming to be universal and multi-lingual, and functions as a wiki. CodingPedia has for goal to offer freely reusable objective and verifiable content that anyone can modify and improve”

Create a paragraph to present yourself:

“I am ‘login’, currently a student at the coding-academy, and I love to stay in the pool all day long”



EXERCISE 03 (1PT)

File to turn in: `html_css_d01/ex_03/index.html`

File to turn in: `html_css_d01/ex_03/php.html`

File to turn in: `html_css_d01/ex_03/sql.html`

Create two links on your `index.html` page:

- PHP
- SQL

They will respectively redirect the user to:

- `php.html`
- `sql.html`

EXERCISE 04 (1PT)

File to turn in: `html_css_d01/ex_04/index.html`

File to turn in: `html_css_d01/ex_04/php.html`

File to turn in: `html_css_d01/ex_04/sql.html`

Use the following adequate structure tags on your three pages

- A header tag
- A nav tag
- A main content tag
- An aside content tag (this is a precise HTML tag that presents a content relative to the main content)
- A footer tag (will contain an address tag with your coordinates) “ ‘name’ - ‘first name’ - ‘address’ - ‘tel’ ”

Each page of your site will display the same structure.



EXERCISE 05 (1PT)

File to turn in: `html_css_d01/ex_05/index.html`

File to turn in: `html_css_d01/ex_05/php.html`

File to turn in: `html_css_d01/ex_05/sql.html`

Create a list on your `index.html` page that contains the links to the different pages (including `index.html`).

Add this list, that will act as a menu, on all your HTML pages.



EXERCISE 06 (2PTS)

File to turn in: `html_css_d01/ex_06/index.html`

File to turn in: `html_css_d01/ex_06/php.html`

File to turn in: `html_css_d01/ex_06/sql.html`

On your **php.html** and **sql.html** pages:

Create 4 sections in your main content tag:

- The first section will contain a description of the page's technology. Use the HTML abbreviation tag.
 - Copy - paste the first paragraph of Wikipedia.
 - <http://www.wikiwand.com/en/PHP>
 - <http://www.wikiwand.com/en/SQL>
- A second empty section
- The third will contain a list of your comments on this technology.
- The fourth will contain code examples, use the appropriate tag.

The aside content tag will contain a HTML citation tag:

- "Peace is a lie, there is only passion.
Through passion, I gain strength.
Through strength, I gain power.
Through power, I gain victory.
Through victory, my chains are broken.
The Force shall free me."



EXERCISE 07 (2PTS)

File to turn in: `html_css_d01/ex_07/index.html`

File to turn in: `html_css_d01/ex_07/php.html`

File to turn in: `html_css_d01/ex_07/sql.html`

Come back to the second section of the preceding exercise.

Insert a new table.

Its title will be “Course planning”.

The table must contain in its header the columns “Subject”, “Description” and “Grade obtained”.

Then you will fill the fields (using your imagination) of this table for each day of the course.



EXERCISE 08 (2PTS)

File to turn in: `html_css_d01/ex_08/index.html`

File to turn in: `html_css_d01/ex_08/php.html`

File to turn in: `html_css_d01/ex_08/sql.html`

Create a form in a new section of the **index.html** page. This form will be used to ask questions on the technologies described in other pages.

This form will contain the following fields:

- “Name” (required)
- “First name” (required)
- “Email” (required)
- “Age” (minimum 3, maximum 99 years old)
- “Phone” (10 characters)
- “Sex” (1 choice possible out of two, male by default)
- “Hair color” (you will choose the color with the help of a color selector)
- “Date” (today’s date by default, required)
- “Technology” drop-down list of the technology in question
- “Question” (required and no size limit – you must use an appropriate element for this kind of field, one that can contain a lot of text)
- A submit form button containing the text “Submit”

Each field will be accompanied by its label.

Each label will be associated to its field with an HTML tag.

EXERCISE 09 (2PTS)

File to turn in: `html_css_d01/ex_09/index.html`

File to turn in: `html_css_d01/ex_09/php.html`

File to turn in: `html_css_d01/ex_09/sql.html`

On each page (SQL and PHP) once again:

Create a progress bar for yourself (this is a specific HTML element, and you are free to grade yourself as you wish) in a fifth section.

Create a sorted list of subjects to review that you did not understand.



EXERCISE 10 (1PT)

File to turn in: `html_css_d01/ex_10/index.html`

File to turn in: `html_css_d01/ex_10/snow-white.css`

Create a CSS page named “snow-white.css”.

Create a HTML index.html page and include your new CSS page.

EXERCISE 11 (2PTS)

File to turn in: `html_css_d01/ex_11/index.html`

File to turn in: `html_css_d01/ex_11/snow-white.css`

Add a little content to your HTML page so you can start formatting it.

Create a paragraph containing the following text:

“Once upon a time there lived a lovely princess with fair skin and blue eyes. She was so fair that she was named Snow White.”

Then create another paragraph containing:

“One day, she was knitting and pricked herself. Three drops of blood fell in the snow.”

Thanks to a single CSS class named “a-great-style”, apply to the two paragraphs a red color background and “Impact” as font.



EXERCISE 12 (2PTS)

File to turn in: `html_css_d01/ex_12/index.html`

File to turn in: `html_css_d01/ex_12/snow-white.css`

Let's go further in the styling of your web page.

Make sure that:

- The text size of the first paragraph is 21 pixels
- The text size of the second paragraph is 27 pixels
- The background color of the HTML page is "yellow"
- The background color of the first paragraph is "black"
- The background color of the of the second paragraph is "white"
- The text color of the first paragraph is "white"
- The text color of the second paragraph is "black"
- The word "blood" in the second paragraph must have color "red" and be in italics.

Italics is done with a CSS property. Formatting this word must not trigger a line feed. The value of CSS properties can be modified in the CSS file only.

EXERCISE 13 (2PTS)

File to turn in: `html_css_d01/ex_13/index.html`

File to turn in: `html_css_d01/ex_13/snow-white.css`

Create a new class named "left-bordered-and-big" that will have the following consequences when applied to an element:

- The element "floats" on the left
- The element has a border of width 1 pixel, black and appears "solid"
- The element has for width 60% of the available space in its parent element

Apply this class to the first paragraph of your page, without disabling the class applied in exercise 12.

Create another class name "right-bordered-and-small" that will have the following consequences when applied to an element:

- The element floats on the right
- The element has a border of width 1 pixel, black and appears "solid"
- The element has for width 20% of the available space in its parent element

Apply this class to the second paragraph of your page, without disabling the class applied in exercise 12.

EXERCISE BONUS

In this exercise, you will need the HTML pages made the previous day.

- Get the pages HTML php.html and sql.html pages that you created up to exercise 7 (included) in the previous day.
- Create a CSS page named "codingpedia.css".
- Include this CSS page in your php.html and sql.html pages.
- Reproduce the following element layout without modifying your HTML pages.

