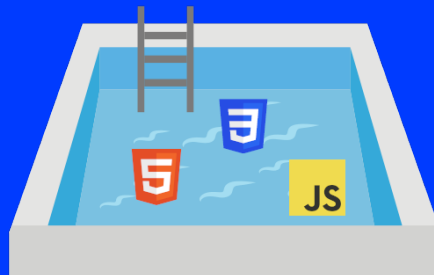




WEB DEV POOL

< DAY 02 - HTML/CSS />



WEB DEV POOL

Before you proceed



Today's exercises are NOT independent from each others.
They are to be done one after the other.
Each exercise reuses the previous one.



We advise you to systematically copy/paste the previous exercise.
Then, add the new requested features.



All HTML pages must respect the basic HTML structure.
They must return no errors from the [W3C Markup Validation Service](#).



Task 01

Delivery: `./task01/index.html`

Write a HTML file named **index.html**. The title of the page is "CodingPedia".
The page contains a **level 1 title** "Welcome to CodingPedia!", followed by a **paragraph**:

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



There must be a newline between the two sentences.

Task 02

Delivery: `./task02/index.html`

Include the following structural tags to your page:

- ✓ a **header** that itself contains the previously created level 1 title and a **navigation** menu containing a **list** of three **links**:
 1. "Index" redirects to `index.html`,
 2. "PHP" redirects to `php.html`,
 3. "SQL" redirects to `sql.html` ;
- ✓ a **main** part containing the paragraph describing CodingPedia ;
- ✓ an **aside** part containing a **paragraph** that briefly introduces yourself ;
- ✓ a **footer** part that contains an **address** tag with your coordinates: name, first name, address and phone number.



`php.html` and `sql.html` will be created later.



Task 03

Delivery: `./task03/index.html`, `./task03/php.html`, `./task03/sql.html`

The main structure of the new pages must be the same as `index.html`. In your **php.html** and **sql.html** pages, use the appropriate tags and create 4 **articles** in the main element:

- ✓ the first article contains the techno's description (Copy / paste the first Wikipedia paragraph) and it must use the **abbreviation** tag ;
- ✓ the second article is empty ;
- ✓ the third article contains a **list** of your comments on this techno ;
- ✓ the fourth contains some code examples.



On `php.html` and `sql.html` pages, titles and paragraph about CodingPedia are not needed.

The aside content tag will contain an 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.

— Sith Code —



Task 04

Delivery: `./task04/index.html`, `./task04/php.html`, `./task04/sql.html`

In the second article of the previous exercise, insert a new **table** with:

- ✓ the **caption** is "Course planning" ;
- ✓ the columns headers are "Subject", "Description" and "Grade obtained" ;
- ✓ the rows:
 - "PHP 101", "Introduction to the language and syntax", "15" (for `php.html`) ;
 - "OOP in PHP", "How to do Object-Oriented Programming in PHP", "-" (for `php.html`) ;
 - "SQL 101", "A quick introduction to the SQL language", "18" (for `sql.html`) ;
 - "SQL join", "Discovery of JOIN to combine rows from multiple tables", "13" (for `sql.html`).

```
<div>
  This is a HTML table.
</div>
<br>
<table>
  <tr>
    <td style="background-color: red;" colspan="6"></td>
  </tr>
  <tr>
    <td style="background-color: red;"></td>
    <td></td><td></td><td></td><td></td>
    <td style="background-color: red;"></td>
  </tr>
  <tr>
    <td style="background-color: red;"></td>
    <td></td><td></td><td></td><td></td>
    <td style="background-color: red;"></td>
  </tr>
</table>
```

This is a HTML table.

Task 05

Delivery: `./task05/index.html`, `./task05/php.html`, `./task05/sql.html`

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

It must contain the following fields:

- ✓ "Name" (required) ;
- ✓ "First name" (required) ;
- ✓ "Email" (required) ;
- ✓ "Age" - minimum 3, maximum 99 years old ;
- ✓ "Phone" - exactly 10 characters ;
- ✓ "Sex" - 1 choice possible out of two **radio** options: "male" (default) and "female" ;
- ✓ "Hair color" - you will choose the color with the help of a color picker ;
- ✓ "Date" - today's date by default (required) ;
- ✓ "Technology" - drop-down list of the technology in question ;
- ✓ "Question" (required + no size limit): use the appropriate element for this kind of field (one that can contain a lot of text).

There must be a submit form **button** containing the text "Submit".



Each field must have a label and each label must be associated to its field!



Task 06

Delivery: `./task06/index.html`, `./task06/php.html`, `./task06/sql.html`, `./task06/codingpedia.css`

Create a CSS page named **`codingpedia.css`**.

Include it in your **`index.html`** and all the other pages.

Create a CSS class `box` that add a solid black border with a thickness of 2 pixels.

The class should also have:

- ✓ an external margin of 10px ;
- ✓ a right and left internal margin of 10px.

Add this class to your `header`, `nav`, `main`, `aside` and `footer` tags.

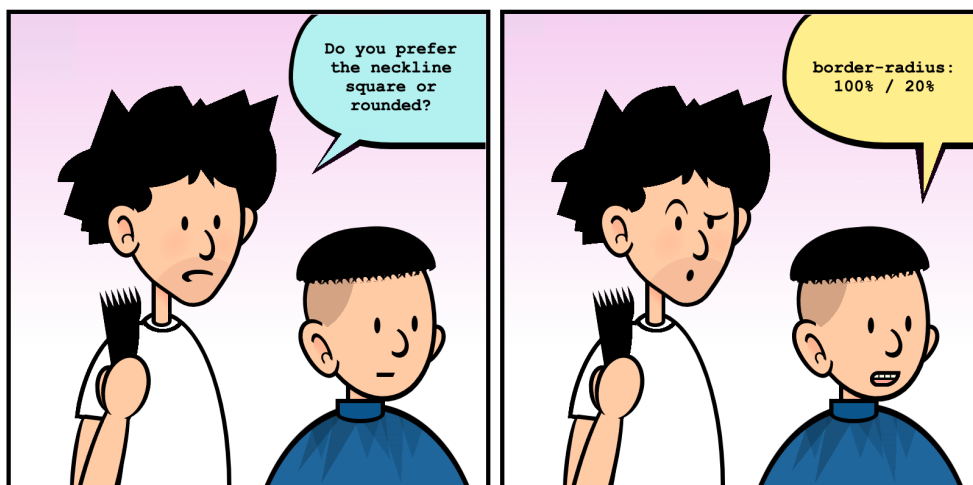
Task 07

Delivery: `./task07/index.html`, `./task07/php.html`, `./task07/sql.html`, `./task07/codingpedia.css`

Using only CSS, change the page's layout to have a grey background color and some white `box`.

Using flexbox, align the `main` and `aside` part horizontally, with `main` taking 80% of the space.

Using grid, separate the title from the navigation menu in the header with a ratio of 5 to 1.



Task 08

Delivery: [./task08/index.html](#), [./task08/php.html](#), [./task08/sql.html](#), [./task08/codingpedia.css](#)

In the **index.html** page, integrate a **div** element that has a class `moving_square`.

This element will represent a red square of 100 pixels side.

Now, let the square move according to this cycle:

- ✓ First, it moves 300 pixels to the bottom and take on a green color.
- ✓ Then, it moves 300 pixels to the right and take on a blue color.
- ✓ Then, it moves up 300 pixels and take on a yellow color.
- ✓ Finally, it returns to its starting position and color.

Each cycle is performed 5 times before stopping and the whole cycle lasts 5 seconds.



Task 09 - BONUS

Delivery: `./task09/index.html`, `./task09/php.html`, `./task09/sql.html`, `./task09/codingpedia.css`

Reproduce the following element layout without modifying your HTML page structure.

The screenshot shows a web browser window titled 'CodingPedia - Home' with the address bar displaying 'http://index.html'. The page layout is as follows:

- Header:** Contains the word 'Bienvenue' on the left and a navigation menu on the right with links 'Home', 'PHP', and 'SQL'. 'Home' is the active link.
- Section:** A box containing the text 'Ce site est trop bien, il va tout vous apprendre sur la Coding Academy'.
- Article:** A form with the following fields:
 - Nom: Text input
 - Prénom: Text input
 - Email: Text input
 - Date: Date picker showing '25/03/2015'
 - Sexe: Radio buttons for 'Mâle (selected)' and 'Femelle'
 - Techno: Dropdown menu with 'PHP' selected
 - Question: Text inputA button labeled 'Envoyer ma question' is at the bottom right of the form.
- Aside:** A box containing the text 'Une courte description de moi et de ce que je fais ici à la coding academy'.
- Footer:** A box containing the text 'mon nom - mon adresse email'.



You can add `div`s but nothing else.



v3.3.1

{EPITECH}