



WEB DEV SEMINAR

DAY 02 - HTML/CSS



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Contents

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



We advise you to systematically copy/paste the previous exercise before adding the requested features.



All HTML pages must respect the basic HTML structure and have no errors on the W3C Markup Validation Service.

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Task 01

Delivery: ./task01/index.html

Write a HTML file named **index.html**.
The title of the page must be "CodingPedia".

The page must contain **a level 1 title** containing "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`

Now includes 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" that redirects to `index.html`,
 2. "PHP" that redirects to `php.html`,
 3. "SQL" that 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 in the next task.

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, create 4 **articles** in the main element:

- ✓ The first article will contain a description of the page's technologies (Copy / paste the first Wikipedia paragraph about PHP and SQL) and must use the **abbreviation** tag.
- ✓ A second empty article.
- ✓ A third article that contains a **list** of your comments on this technology.
- ✓ A fourth one that contain code examples.

Use the appropriate tags.



On the `php.html` and `sql.html` pages the 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`

Get back to the second article of the previous exercise. Insert a new **table**. Its *caption* will be “Course planning” and it must contain in its header the columns “Subject”, “Description” and “Grade obtained”.

It must contains the following rows:

- ✓ For `php.html`:
 - “PHP 101”, “Introduction to the language and syntax”, “15”
 - “OOP in PHP”, “How to do Object-Oriented Programming in PHP”, “-”
- ✓ For `sql.html`:
 - “SQL 101”, “A quick introduction to the SQL language”, “18”
 - “SQL join”, “Discovery of JOIN to combine rows from multiple tables”, “13”

Task 05

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

Create a form in a new article of the **index.html** page.

This form 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" - 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 and no size limit: you must 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 2px.

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

The page background color should now be **gray** except for our **box** elements, which must be white.

Now we're going to change the layout of the page using CSS only.

Align the **main** and **aside** part of the page horizontally using flexbox.

The main part should take 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, 100x100px square.

You must now have the square move.

First, the square must move 300 pixels to the bottom and take on a green color.

Then, the square will move 300 pixels to the right and take on a blue color.

Then, the square will move up 300 pixels and take on a yellow color.

Finally, the square returns to its starting position and its color goes back to red.



This movement must be performed 5 times before stopping.
Each cycle must last 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 wireframe shows a web browser window with the title "CodingPedia - Home" and the address bar containing "http://index.html". The page layout includes a header with the word "Bienvenue" and a navigation menu with links for "Home", "PHP", and "SQL". The main content area is divided into three sections: a "Section Article" containing a paragraph "Ce site est trop bien, il va tout vous apprendre sur la Coding Academy"; a form section with fields for "Nom", "Prénom", "Email", "Date" (with a calendar icon), "Sexe" (with "Mâle (selected)" selected), "Techno" (a dropdown menu showing "PHP"), and "Question", followed by an "Envoyer ma question" button; and an "Aside" section with a paragraph "Une courte description de moi et de ce que je fais ici à la coding academy". The footer contains the text "mon nom - mon adresse email".



You can add `div`s but nothing else.

{EPITECH}

