

ARRAYS IN HTML

Last time, we worked on tables in HTML. This week we will see how to merge rows and columns, like in a spreadsheet or a word processor.

It is thanks to attributes on the lines (<tr> </tr> tags) or columns (<td> </td> tags) that we can manage this.

1 First examples

The rowspan attribute (attribute of the <td> tag) allows multiple rows to be merged. For example :

```

1 <html>
2 <body>
3   <h3>Student list for the ICT course:</h3>
4
5   <table border=1px>
6     <tr>
7       <td rowspan=2>Student 1</td>
8       <td>EXAMPLE</td>
9       <td>Alice</td>
10    </tr>
11    <tr>
12      <td>S3ICT--F</td>
13      <td>(French-speaking section)</td>
14    </tr>
15    <tr>
16      <td rowspan=2>Student 2</td>
17      <td>TEST</td>
18      <td>Bob</td>
19    </tr>
20    <tr>
21      <td>S3ICT--F</td>
22      <td>(English-speaking section)</td>
23    </tr>
24  </table>
25 </body>
26 </html>

```

Listing 1 – Two merged lines

On obtient alors le rendu suivant :

Student list for the ICT course :

Student 1	EXAMPLE	Alice
	S3ICT-F	(French-speaking section)
Student 2	TEST	Bob
	S3ICT-F	(English-speaking section)

The colspan attribute (attribute of the <td> tag) allows the merging of several columns. For example :

```

1 <html>
2 <body>
3   <h3>Student list for the ICT course:</h3>
4
5   <table border=1px>
6     <tr>
7       <td colspan=3>Student 1</td>
8       <td colspan=3>Student 2</td>
9     </tr>
10    <tr>
11      <td>EXAMPLE</td>
12      <td>Alice</td>
13      <td>S3ICT--F</td>
14      <td>TEST</td>
15      <td>Bob</td>
16      <td>S3ICT--F</td>
17    </tr>
18  </table>
19 </body>
20 </html>

```

Listing 2 – Three merged columns

We then obtain the following result :

Student list for the ICT course :

Student 1			Student 2		
EXAMPLE	Alice	S3ICT-F	TEST	Bob	S3ICT-F

2 Your turn

Exercise 1

Download the file containing the HTML code for the two previous tables and try to modify and look at the resulting rendering.

Exercise 2

Try creating a table that gives the following two spirals. We merged a few lines, a few columns, and set background colors (with the bgcolor attribute, see the work from Thursday 09/21¹) :

Table 1 :

XXXX			
XX	XX		
X	X	X	
XXXX			

Table 2 :

XXXXXX						
X	XXXX				X	X
	X	XX		X		
		X	X			
	XXXX					
XXXXXX						

1. I used bgcolor=violet, indigo, blue, green, yellow, orange, red.