HTML day 2

What is the div tag and why is it important? What is the difference between div and span elements?

div tag is a block element, starting a new line using maximum width, helps structure the code

span stays on the same line using max width

What is the purpose of semantic elements in HTML5?

they define different parts of a webpage -> easier to maintain and to read

- Please tell to your partner the name of an HTML5 Semantic element and he/she needs to describe it, then switch the roles.

header: container for introductory content or a set of nav-links

Why are Meta Tags important and what can you do with Meta Tags?

they contain data about data, can improve click-through rate in search engines

Why is the alt tag important for the use of images?

so you have an idea what is supposed to be there if the browser can't find the image

Is it possible to have a functional Web page without links?

yes

How many list types do we have in HTML? Describe them.

3 types:

- Ordered lists (with numbers) ** **
- Unordered lists (with points) ** **

    *Each element of the list is between the ** ** tag*

- Definition lists **<dl>** (having a term **<dt>** and a term's definition **<dd>**)
-

Could we make an entire page layout using tables? How?

Yes it is possible to make an entire page layout using tables.

All Content elements are placed inside the table element

What is the purpose of forms in HTML?

The purpose of form in HTML is to gather informations from the user.

What can you achieve using an iframe element?

- embed a web page within another web page

Why are comments important in well-written code?

- describe the page code in order for someone else to get a better and faster understanding of the code.

How could you play audio and video in HTML file?

for audio, use <audio> tag :

```
<audio src="http://developer.mozilla.org/@api/deki/files/2926/=AudioTest_(1).ogg" autoplay controls>Your browser does not support the <code>audio</code> element.</audio>
```

for video, use <video> tag :

```
<source src="https://archive.org/download/WebmVp8Vorbis/webmvp8_512kb.mp4" type="video/mp4">

<source src="https://archive.org/download/WebmVp8Vorbis/webmvp8.ogv" type="video/ogg">Your browser doesn't support HTML5 video tag.</video>
```
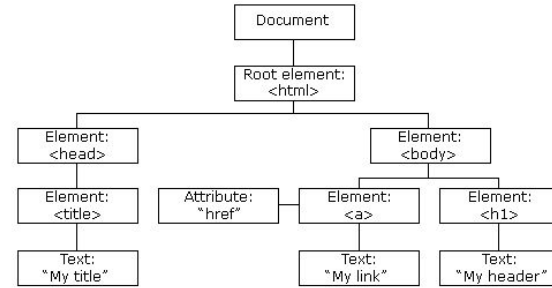
Discuss with your partner how the DOM is created and displayed on your screen.

DOM is the document object model.

It is constructed as a tree of object.

In our case, it is an interface, it is how HTML communicate with CSS.

The HTML DOM Tree of Objects

What are the best CSS creation practices?

In an external css file, connected to the html page with a link.

What is specificity and how can you use it to select the elements you want?

The specificity is the ID selector to have one elements.

`<div id="comments"> and then #comments`

What types of CSS selectors exist, can you name examples?

- Element selector
- ID selector
- Class selector
- descendant selector
- child selector
- adjacent sibling selector
- general sibling selector

How can we apply CSS code to a HTML page?

- Inline style
- External tyle
- Internal style