

SOEN 287

Web programming

Tutorial 03- HTML5 & CSS

Tutorial Sections SB & UC

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Basic Template

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Title of the document</title>
  </head>

  <body>
    <!-- Content of the body -->
  </body>
</html>
```



External CSS Reminder

To be applied on a webpage a CSS file must be referenced in the head of said webpage.

```
<link rel="stylesheet" type="text/css" href="style.css"/>
```



CSS Positioning

There are a few different types of positioning in CSS with distinctively useful attributes.

Fixed: The container will be fixed to the browser window and will not react to scrolling.

Relative: Modifications to the layout will occur using the original position as point of reference.

Absolute: These containers will be positioned relative to the first parent element that is not static. (The `<html>` tag is the ultimate parent)

What are we missing?



Layout

There are no limitations to what a layout can be.

The specifications of your project is what will determine ultimately what your webpage has to look like. Both HTML5 and CSS have the ability to alter a websites layout.

HTML5 is used to create containers which can be modified and modelled with the help of CSS.

What are specific components of HTML5 or CSS that can be used to alter the layout of a webpage?



CSS Values

CSS supports 4 types of values:

px: pixels

pt: points

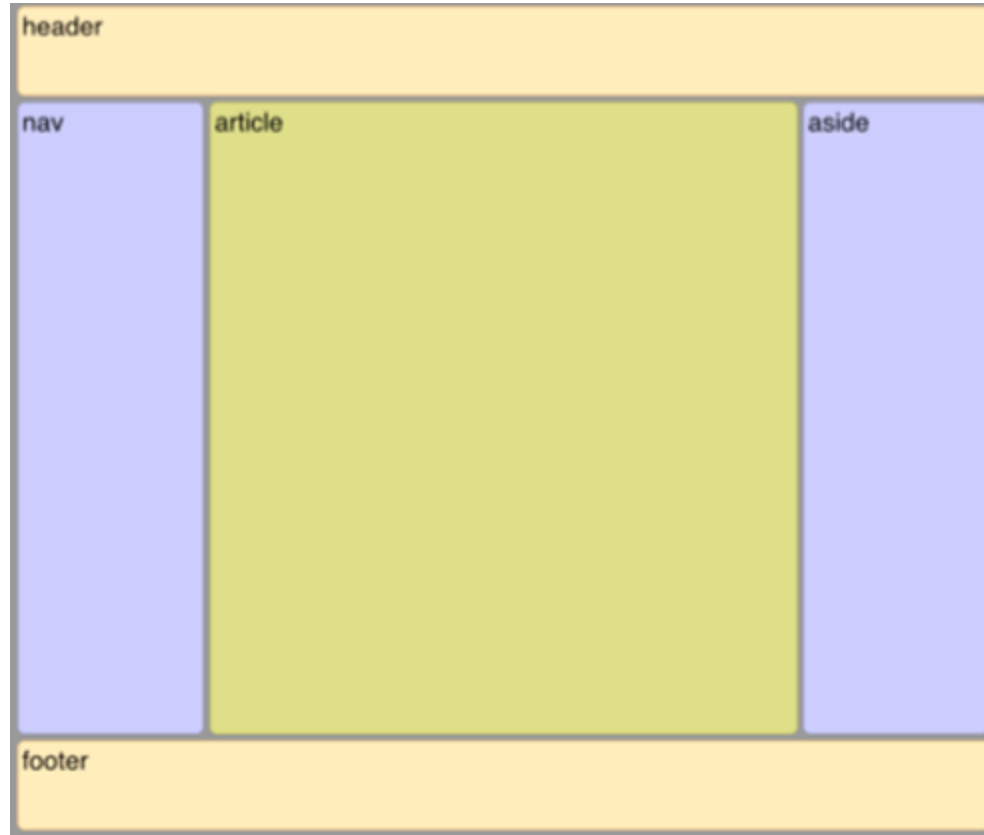
em: 1em = current font size

%: % of the current font size

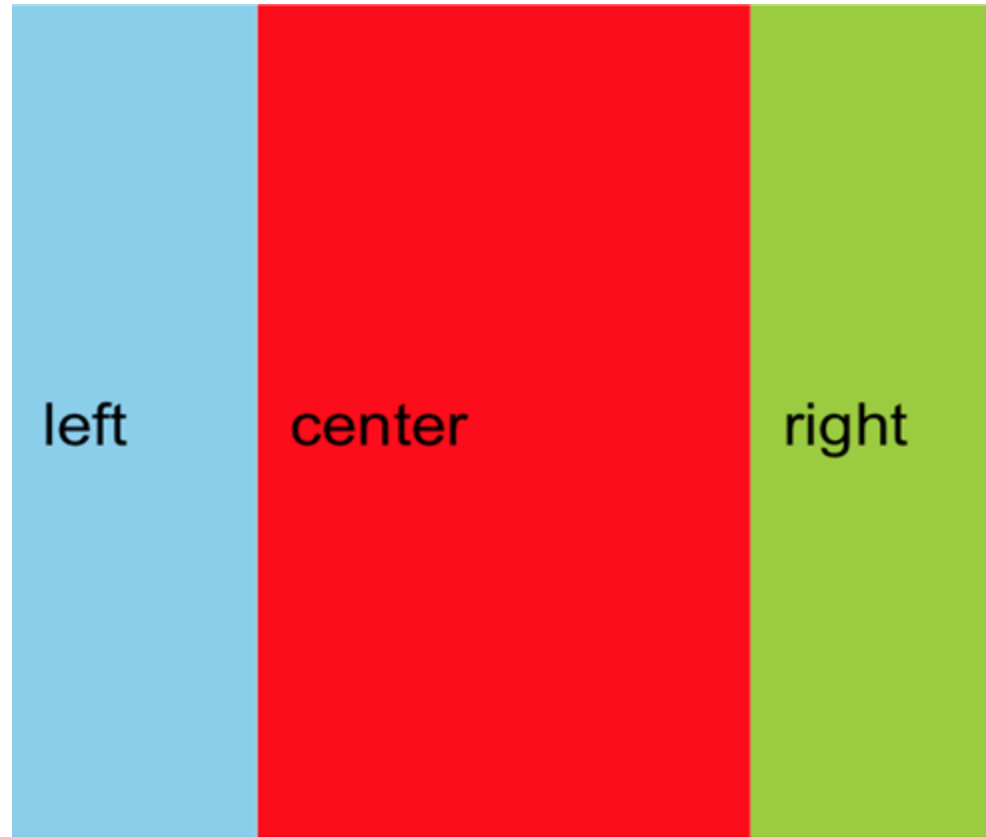
What is the difference between these units?



Columns Exercise 1



Columns Exercise 2



Columns Exercise 3



Floating Navigation Bar

1. Create a header space in which to put a website title.
 2. Create a container for a navigation bar.
 3. Make at least 3 linked pages available
 4. Create a content area (will stay empty for now)
5. Create and setup the appropriate CSS to make the navigation bar float as the page scrolls, all its items are aligned horizontally.



References Online

- <http://www.w3schools.com/>

