

## CSS lab sheet

1. Create a HTML page, which shows football scores on a table e.g.

	Beijing	Shanghai	Zhejiang
Beijing		<b>1-0</b>	0-2
Shanghai	0-1		1-1
Zhejiang	<b>2-0</b>	1-1	

On the table, different team names must be displayed using different colours i.e. using `Class` selector. The winning scores must be bold e.g. using `ID` selector.

- 3.3 Create and test an HTML document that includes at least two images and enough text to precede the images, flow around them (one on the left and one on the right), and continue after the last image.
- 3.4 Create and test an HTML document that has at least a half page of text and a small box of text embedded on the left margin, with the main text flowing around the small box. The embedded text must appear in a smaller font and also must be set in italic.
- 3.5 Create and test an HTML document that has six short paragraphs of text that describe various aspects of the state in which you live. You must define three different paragraph styles, `p1`, `p2`, and `p3`. The `p1` style must use left and right margins of 20 pixels, a background color of pink, and a foreground color of blue. The `p2` style must use left and right margins of 30 pixels, a background color of black, and a foreground color of yellow. The `p3` style must use a text indent of 1 centimeter, a background color of green, and a foreground color of white. The first and fourth paragraphs must use `p1`, the second and fifth must use `p2`, and the third and sixth must use `p3`.

- 3.6 Create and test an HTML document that describes nested ordered list of cars. The outer list must have three entries: compact, midsize, and sports. Inside each of these three lists there must be two sublists of body styles. The compact- and midsize-car sublists are two door and four door; the sports-car sublists are coupe and convertible. Each body-style sublist must have at least three entries, each of which is the make and model of a particular car that fits the category. The outer list must use uppercase Roman numerals, the middle lists must use uppercase letters, and the inner lists must use Arabic numerals. The background color for the compact-car list must be pink; for the midsize-car list, it must be blue; for the sports-car list, it must be red. All the styles must be in a document style sheet.

Hint: Watch where you apply the CSS styles!!!

Applying the CSS styles at <ul> and <ol> will have a different output from applying the CSS styles at <li>.

- 3.7 Rewrite the document of Exercise 3.6 to put all style-sheet information in an external style sheet. Validate your external style sheet with the W3C CSS validation service.

<https://jigsaw.w3.org/css-validator/>

- 3.10 Create and test an HTML document that describes an unordered list of at least five popular books. The bullet for each book must be a small image of the book's cover. Find the images on the Web.
- 3.11 Use a document style sheet to modify the HTML document, nested\_lists.html in Section 2.7.2 to make the different levels of lists different colors.

Example of the 2.7.2 nested list is shown here:

1. General Aviation (piston-driven engines)
  1. Single-Engine Aircraft
    1. Tail wheel
    2. Tricycle
  2. Dual-Engine Aircraft
    1. Wing-mounted engines
    2. Push-pull fuselage-mounted engines
2. Commercial Aviation (jet engines)
  1. Dual-Engine
    1. Wing-mounted engines
    2. Fuselage-mounted engines
  2. Tri-Engine
    1. Third engine in vertical stabilizer
    2. Third engine in fuselage

3.12 Using a document style sheet, modify the HTML document, definition.html in Section 2.7.3 to set the font in the dt elements to Courier 1em font and the dd elements to Times Roman 1.1em italic font

Example of 2.7.3 definition list is shown here:

```
152      Two-place trainer
172      Smaller four-place airplane
182      Larger four-place airplane
210      Six-place airplane - high performance
```

**Reference:**

Sebesta, R. E. (2014). Programming the World Wide Web (8<sup>th</sup> Edition).