

Week 6 unassessed exercise

The aims of this weeks exercises are to familiarize yourself with the various functionality provided by HTML. Please make sure you have either read the relevant parts of the book "Beginning HTML and CSS" or have studied the details (on w3schools.com) of the HTML elements that were discussed in the lecture.

In each of the following exercises, you will be asked to apply a particular piece of HTML functionality. For this, it is useful to have a "skeleton" HTML document available, in which you can just insert the relevant HTML code of each exercise. For this, you may want to take the file index.html from last week's lab session, and remove the part between <body> and </body> (as this is where you will be inserting the code for each of the exercises below). At the end of each exercise, you simply remove what you have inserted, so that you are ready for the next exercise. However, before doing so, check your code (so the entire web page) on validator.w3.org and see how it displays in a browser (we recommend Firefox, as this is what will be used for assessing your coursework in week 9 and week 10). You don't need to upload your work to the server; just view it from your local disk instead.

Exercise 1:

Enter the following text in the HTML document, using HTML entity references for the non-ASCII characters:

Señor Raúl bought a ticket for Bayern München for €60,
which is £53.52

Exercise 2:

Enter the following text in the HTML document, such that "Cardiff" is in italics and "Wales" is bold.

Cardiff is the capital of **Wales**.

Exercise 3:

Using nested lists, produce the following text in HTML:

Places in the UK:

1. England
 - Manchester
 - Liverpool
2. Wales
 - Newport
 - Swansea
3. Scotland
 - Aberdeen
 - Glasgow

Exercise 4:

Using a definition list, produce the following text in HTML:

Some Web standards:

HTML

Hypertext Markup Language

HTTP

Hypertext Transfer Protocol

CGI

Common Gateway Interface

Exercise 5:

Enter the following sentence in your HTML document, and see how it displays in a browser:

Hamlet's most famous quote is `<q> to be or not to be </q>.`

Now replace the `<q>` and `</q>` by `<blockquote>` and `</blockquote>` respectively, and see how it displays in a browser. Without referring to the slides, your book or w3schools, can you already tell which of the two elements is a block element and which is an inline element?

Exercise 6:

Produce the following text in HTML. Make sure the 4 is written as a subscript.

The chemical formula for natural gas is CH₄.

Produce the following text in HTML. Make sure each 2 is written as a superscript.

Pythagoras' theorem is $a^2 + b^2 = c^2$.

Exercise 7:

Find a photo of a famous person, and download it to your local directory. If necessary, change the file name to something that is conveniently short. Write some HTML code that includes this photo into a web page (using an `` element). Write a line of text (describing the photo and embedded in a `<p> </p>` element) before the photo.

How does the page display when:

- the `` element is outside of the `<p> </p>` element
(so `<p> blah </p> `)
- the `` element is inside the `<p> </p>` element
(so `<p> blah `)

Now add some code so that when the user clicks on the picture, he/she is redirected to the celebrity's Wikipedia page (or any other website containing more information).

Add an HTML comment with your own opinion about this person.

(PS: Please do not upload any copyrighted material to the server.
Make sure you view your work from local disk instead.)

Exercise 8:

Produce the following table (including the caption) in HTML. The first row contains the table headers. For each cell, indicate which header it relates to, using the technique that was described in the lectures. Although you do need to have some border between the different cells, this doesn't necessarily have to be a single line (using the default table style with `border="1"` is fine)

Some well-known football clubs:

Country	Club	City
England	Manchester United	
	Arsenal	London
Netherlands	Ajax	Amsterdam
	PSV	Eindhoven
Germany	Bayern München	
	VFB Stuttgart	
France	Olympique Marseille	