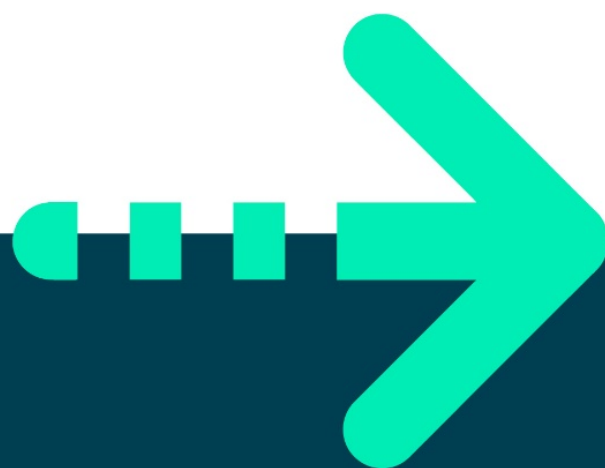# HTML AND CSS

Relative Links

Objectives

To understand how to link to other files on the same web site

Reference material

This exercise is based on material from the "Relative Links" chapter.

Overview

- In this exercise you will:
  - Include a file on a web page using a relative link
  - Include an external style sheet on a web page using a relative link

Estimated duration

The estimated duration for this lab is 20 minutes.

Completed solution

There is a completed solution for this lab.

Step by step instructions

1. Load your web site folder into Code. Add a top-level folder called "images".

   Repeat and add a second top-level folder called "css".

   Note: it is not required that you put images and css into different folders; however, it is good practice, because it will make it easier to find the resource you are looking for later when things need changing, especially on larger websites.

2. Double-click on your HTML page, and press Alt-B to load it in a web browser.

   When the web site loads, find the image that you've included in it, and save the image. The way you do this may depend on your browser – in Internet Explorer and Google Chrome, you can right-click on the image and select Save Image As. In other browsers the technique is similar, but the exact wording may be different.

   Choose somewhere appropriate to save your image (perhaps the Downloads folder). You can also give it a more sensible name at this point if necessary. Then, you can close your browser

3. Drag a copy of the saved image into the "images" folder in Code. It will highlight the folder you are dropping it into, so make sure you drop it in the right place!

4. Locate the <img> tag. Change the "src" attribute so that it references "images/xxx.jpeg" where xxx.jpeg is the name of the image that you just added.

5. You might want to test your work at this stage. However, when you press Alt-B, you may find that the web browser has "cached" the earlier version of your file, and not loaded the new file. (You can check by right-clicking and selecting View Source in Internet Explorer; other browsers have similar options.)

   To prevent caching, **always remember to refresh your web page** when you load your browser. This will force the browser to load the latest version of the web page. In most web browsers, F5 will refresh the current page.

6. Next, we are going to create an external style sheet. Right-click on the "css" folder, select "New File". Enter the file name "styles.css".

7. Switch to the HTML page, and find the <style> tag. Cut out the entire contents of the <style> tag (but not the tag itself). Then, switch back to the CSS file, and paste in the code you just cut from the HTML page.

8. Now, back to the HTML page again. Remove the <style> tag, which is now empty. In its place, insert a <link> tag which references the stylesheet in the CSS file. Refer to the PowerPoint for details of how to do this if you can't remember.

9. Finally, save everything and test it in your browser – be sure to refresh the page in your browser.