Exercise 2: CSS, Bootstrap, and HTML Media

The aims of this lab are to:

- Practise CSS and Bootstrap
    - Construct some basic styles using raw CSS
    - Use Bootstrap to make your webpage reactive
- Use Google HTML/CSS style guide to sanitize your code
- Get to know the media tags <picture>, <audio>, and <video>.

CSS Tutorial (without CoPilot)

Run through the basic CSS tutorial at W3Schools, up to Pseudo-element.

Disable CoPilot. Write a small table in HTML, such as the Paralympic medal table here, and use CSS to style it. Include the following specifications:

1. There should be a centred title for the table, and the table should sit in the centre of the view port
2. There should be a table with 6 columns, with the headings rank, country, gold, silver, bronze, total in bold centred text
3. The rank column should have a black background with white centred text
4. The country column should have white background with black left-aligned text
5. The gold column should have a gold background, the silver column should have a silver background, the bronze column should have a bronze background, all with black centred text
6. The total column should have a green background, and black centred text
7. The table should have a solid red border on the outside with rounded corners
8. Each cell of the table should have a top and bottom 2-pixel border, with no margin, and 3 pixels of padding at the top and bottom
9. When the mouse hovers over a cell, the top and bottom border for that cell should increase to 3 pixels, and the padding at the top and bottom should decrease to 2 pixels
10. When the mouse hovers over a row, the data cells in that row should change the background to grey
11. The countries should include the flag as a unicode character

Bootstrap Tutorial

Run through the basic Bootstrap tutorial at W3Schools.

Re-enable CoPilot. Use Bootstrap to add a reactive style to your home page from last week. Apply container styles, and the grid model to make your page more appealing, centre some elements, and allow the page layout to adjust when the viewport is resized.

Google HTML/CSS Style Guide

Read the first three sections of the Google HTML/CSS Style Guide. This is a local copy obtained from the Github Google Style Repository

While reading, correct your HTML code from the last lab to conform with the Google style guide.

Audio and Video fallbacks

Read the [Mozilla MDN Docs on Video and Audio](). Try adding some video or audio elements to your webpage. You can download the files below, or you can find your own if you prefer.

Video Files	Audio Files
[NorskTippingKebab.mp4]()	[nineoneone.mp3]()
[NorskTippingKebab.ogv]()	[nineoneone.ogg]()
[NorskTippingKebab.webm]()	[nineoneone.wav]()