

Short exercises for *Murach's HTML5 and CSS3* (4th edition)

Each of the short exercises requires you to use just one or two web development skills, and each is designed so it can be done in from 5 to 45 minutes.

Guidelines for doing the short exercises

- Do the exercise steps in sequence. That way, you will work from the most important tasks to the least important.
- Feel free to copy and paste code from the book applications, book examples, or exercises that you've already done.
- Use your book as a guide to coding.
- If you are doing an exercise in class with a time limit set by your instructor, do as much as you can in the time limit.
- Because each short exercise is independent of the others, many of the links in the pages that you will be given to start the exercises won't work. To provide for that, the href attribute for each of those links is coded as a hash character (#). That way, you won't get a "file not found" error if you click the link. Instead, you'll just stay on the same page.

Short 5-1 Apply CSS to an HTML page

In this exercise, you'll apply the CSS skills that you learned in chapters 4 and 5 to an existing HTML document. The resulting page should look something like the screen shot that follows. Estimated time: 30 to 45 minutes.



1. Open the HTML and CSS files that follow, and note that the CSS file includes one rule set:


```
short_exercises\town_hall\speakers\c05x_sorkin.html
short_exercises\town_hall\styles\c05x_sorkin.css
```
2. Add a link element to the head section of the HTML file for the normalize.css style sheet.
3. If you want to use a reset selector, add that to the CSS file. But feel free to code the CSS in the way that you prefer.

4. Code a rule set for the `html` element that sets the background color to yellow.
5. Enhance the rule set for the `body` so the width is 650 pixels, the body is centered in the browser window, and the body has a double blue border around it like the one above. If you need to make any other changes to the body, do that too.
6. Code a rule set for the `main` element that puts padding around its contents. Then, code a rule set for the footer that puts a blue border above it. Note that this border doesn't touch the border for the body.
7. Code rule sets for the `h1`, `h2`, and `h3` elements. The `h1` font should be 150% of the default specified in the body, the `h2` font should be 125% of the default font, and the `h3` font should be 115% of the default font. The `h1` font should also be blue. Then, apply appropriate margins or padding to the `h1`, `h2`, and `h3` elements so the spacing before and after the headings is similar to what's shown above.
8. Code the rule sets for the `<p>`, `blockquote`, `ul`, and `li` elements so the spacing before and after the elements is similar to what's shown above.
9. Code a rule set for the `cite` element that changes its color to blue and removes the italics from the text.
10. Code a rule set for the paragraphs that contain `cite` elements. This rule set should right align the paragraphs and increase the spacing below to .75em. One way to do this is to add a class attribute to these paragraphs and use that class as the selector for the rule set.
11. Float the image to the left and apply appropriate margins or padding so the text flows to its right as shown above.
12. Apply rules to the footer or the paragraphs within the footer so the font size is 90% of the default, the font weight is bold, the paragraphs are centered, and the spacing above and below is similar to what's shown above.

Short 6-1 Use the CSS3 columns feature

In this exercise, you'll float the speaker image to the left, adjust the formatting as needed, and apply two-column formatting to the article. Estimated time: 5-10 minutes.



1. Open these HTML and CSS files, and run the HTML file:
`short_exercises\town_hall\speakers\c06x_toobin.html`
`short_exercises\town_hall\styles\c06x_speaker.css`
2. Float the image to the left instead of the right and adjust the space around the image.
3. Apply two-column formatting to the article using the column-count property as in figure 6-10. If this creates any formatting problems, adjust the HTML or the CSS so the page looks like the one above. One hint: Use CSS to set the width of the image to 275 pixels so it fits in one column.

Short 6-2 Switch the columns of a page

In this exercise, you'll switch the section and aside of a speaker page so it looks like the one below. That will demonstrate your understanding of floating, margins, and padding. Estimated time: 5-10 minutes.



1. Open the HTML and CSS files for the page:
`short_exercises\town_hall\speakers\c06x_toobin.html`
`short_exercises\town_hall\styles\c06x_speaker.css`
2. Change the style rules for the section and aside so the columns are switched.
3. Adjust the margins and padding for the section and aside so the formatting is similar to the formatting shown above.

Short 6-3 Add a third column to a page

In this exercise, you'll add a third column to an index page. That will demonstrate your understanding of floating, margins, and padding. Estimated time: 10-15 minutes.



1. Open the HTML and CSS files for the page:
`short_exercises\town_hall\c06x_index.html`
`short_exercises\town_hall\styles\c06x_main.css`
2. Note that another aside has been added to the HTML page. That aside contains the heading and text shown in the third column above.
3. If necessary, rearrange the code in the HTML file so the page can be presented in three columns as shown above.
4. Modify the code in the CSS file so it provides for the three columns with the approximate spacing shown above.