

HTML CSS Exercises

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1 HTML Exercises

We will use the walk through exercises at:

<https://www.freecodecamp.org/learn/2022/responsive-web-design/>

You should build this exercise incrementally as well in a separate HTML file on your local machine using VS Code

1.1 Learn HTML by Building a Cat Photo App

Covers standard HTML elements

2 CSS Exercises

We will use the walk through exercises at:

<https://www.freecodecamp.org/learn/2022/responsive-web-design/>

You should build this exercise incrementally as well in separate HTML / CSS files on your local machine using VS Code

2.1 Learn Basic CSS by Building a Cafe Menu

Topics covered:

- CSS Background
- CSS Color
- CSS Text
- CSS Fonts
- CSS Link
- CSS Box model (Border)
- CSS Box model (dimensions)
- CSS Box model (margin)
- CSS Box model (padding)
- CSS Layouts: display

CSS Property	Main Topic Area
a:active	CSS Link
a:hover	CSS Link
a:link	CSS Link
a:visited	CSS Link
background-color:	CSS Background
background-image:	CSS Background
border-color:	CSS Box model (Border)
color:	CSS Color
display:	CSS Layouts: display
font-family:	CSS Fonts
font-size:	CSS Fonts
font-style:	CSS Fonts
height:	CSS Box model (dimensions)
margin-bottom:	CSS Box model (margin)
margin-left:	CSS Box model (margin)
margin-right:	CSS Box model (margin)
margin-top:	CSS Box model (margin)
max-width:	CSS Box model (dimensions)
padding:	CSS Box model (padding)
text-align:	CSS Text
width:	CSS Box model (dimensions)

2.2 Learn HTML Forms by Building a Registration Form

Topics covered:

- CSS Background
- CSS Color
- CSS Text
- CSS Fonts
- CSS Box model (Border)
- CSS Box model (dimensions)
- CSS Box model (margin)
- CSS Box model (padding)
- CSS Layouts: display
- CSS Layouts: alignment techniques
- CSS Advanced Selectors: Pseudo-classes, Attribute Selectors

Note:

`Fieldset:last-of-type` is covered in CSS Advanced Selectors: Pseudo-classes
`input[type="file"]` is covered in CSS Advanced Selectors: Attribute Selectors

CSS Property	Main Topic Area
background-color:	CSS Background
border	CSS Box model (Border)
border-bottom:	CSS Box model (Border)
border-color:	CSS Box model (Border)
color:	CSS Color
display:	CSS Layouts: display
font-family:	CSS Fonts
font-size:	CSS Fonts
height:	CSS Box model (dimensions)
margin	CSS Box model (margin)
min-height	CSS Box model (dimensions)
max-width:	CSS Box model (dimensions)
min-width:	CSS Box model (dimensions)
padding:	CSS Box model (padding)
padding-bottom:	CSS Box model (padding)
text-align:	CSS Text
vertical-align:	CSS Layout (alignment techniques)
width:	CSS Box model (dimensions)

2.3 Learn CSS Flexbox for layout by building a Photo Gallery

As you are building this webpage, you can also make use of the relevant functionality in Chrome Dev tools to work with the Flexbox layout.

<https://developer.chrome.com/docs/devtools/css/flexbox/>

You can use some of the features for simulating mobile devices in Chrome Dev Tools to help you with RWD

<https://developer.chrome.com/docs/devtools/device-mode/>

Topics covered:

- CSS Background
- CSS Color
- CSS Fonts
- CSS Box model (Border)
- CSS Box model (dimensions)
- CSS Box model (margin)
- CSS Box model (padding)
- Flexbox
- CSS Advanced Selectors: Pseudo elements

Note: `.gallery::after` is covered in CSS Advanced Selectors: Pseudo elements

CSS Property	Main Topic Area
align-items:	Flexbox
background	CSS Background
background-color	CSS Background
border	CSS Box model (Border)
border-bottom:	CSS Box model (Border)
border-radius:	CSS Box model (Border)
box-sizing:	CSS Box model (Padding)
color:	CSS Color
content:	CSS Advanced Selectors: Pseudo elements
display: flex	Flexbox
flex-direction:	Flexbox
flex-wrap:	Flexbox

font-family:	CSS Fonts
font-size:	CSS Fonts
gap	Flexbox
height:	CSS Box model (dimensions)
justify-content:	Flexbox
margin	CSS Box model (margin)
min-height	CSS Box model (dimensions)
max-width:	CSS Box model (dimensions)
min-width:	CSS Box model (dimensions)
object-fit	CSS Images
padding:	CSS Box model (padding)
padding-bottom:	CSS Box model (padding)
text-align:	CSS Text
text-transform:	CSS Text
width:	CSS Box model (dimensions)

2.4 Learn CSS float for layout by building a Book Promotion Page

The construction of this website demonstrates the use of float to perform layout and positioning of elements.

The step-by-step instructions and final completed web page is available at: `labcode\book promotion project`

2.5 Learn CSS Grid for layout by Building a Magazine

As you are building this webpage, you can also make use of the relevant functionality in Chrome Dev tools to work with the Grid layout.

<https://developer.chrome.com/docs/devtools/css/grid/>

You can use some of the features for simulating mobile devices in Chrome Dev Tools to help you with RWD

<https://developer.chrome.com/docs/devtools/device-mode/>

Topics covered:

- CSS Background
- CSS Color
- CSS Text
- CSS Fonts
- CSS Box model (Border)
- CSS Box model (dimensions)
- CSS Box model (margin)
- CSS Box model (padding)
- CSS Layouts: display
- Grid
- CSS Advanced Selectors: Pseudo-classes, Attribute Selectors