

W3 Schools HTML Practice

HTML Elements	✓	HTML Basic	✓
HTML Attributes		HTML Elements	
HTML Headings	✓	HTML Attributes	✓
HTML Paragraphs		HTML Headings	
HTML Styles	✓	HTML Paragraphs	✓
HTML Formatting		HTML Styles	
HTML Quotations	✓	HTML Formatting	✓
HTML Comments		HTML Quotations	
HTML Colors		HTML Comments	✓
HTML CSS		HTML Colors	
HTML Links		HTML CSS	
HTML Images	✓	HTML Links	✓
HTML Tables		HTML Images	
HTML Lists		HTML Tables	✓
		HTML Lists	✓

CSS W3 Schools Practice

CSS Selectors		CSS Selectors	✓
CSS How To...	✓	CSS How To...	
CSS Background	✓	CSS Background	
CSS Border		CSS Border	✓
CSS Margin	✓	CSS Margin	
CSS Padding		CSS Padding	✓
CSS Height/Width		CSS Height/Width	✓
CSS Box Model		CSS Box Model	✓
CSS Outline	✓	CSS Outline	
CSS Text		CSS Text	✓

Research HTML: <https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

1. `<address>` <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/address>
 - a. What is the tag used for?
 - i. This is used for phone numbers, email addresses, etc.
 - b. Name and describe the options (attributes) that the tag supports.
 - i. The attributes that this tag supports is only the global attributes i.e. class, href, id, and many more.
 - c. Write an example of its use (i.e. an explicit code example of it being used)
 - i. `<address> polleschk@msoe.edu</address>`

2. `<code>` <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/code>
 - a. What is the tag used for?
 - i. This tag is used for a monospaced font when putting code into a HTML file
 - b. Name and describe the options (attributes) that the tag supports.
 - i. This element also only includes global attributes i.e. class, href, id, and many more.
 - c. Write an example of its use (i.e. an explicit code example of it being used)
 - i. `<p> This is the code that I will put in an HTML file <code>Hello World!</code></p>`
3. `<portal>` <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/portal>
 - a. What is the tag used for?
 - i. This tag would allow the coder to embed another HTML page within the current page for smoother transitions.
 - b. Name and describe the options (attributes) that the tag supports.
 - i. This also includes the global attributes but also has “referrerply” and “src” as attributes.
 - c. Write an example of its use (i.e. an explicit code example of it being used)
 - i. “`<portal id="exampleportal" src="https://example.com/"></portal>`”
 1. Example from Mozilla developer web page
4. `<math>` <https://developer.mozilla.org/en-US/docs/Web/MathML/Element/math>
 - a. What is the tag used for?
 - i. This tag would be used to insert special symbols used in mathematics. Like infinite sums, infinity symbols, fractions, pi, etc.
 - b. Name and describe the options (attributes) that the tag supports.
 - i. Math includes the global MathML attributes as well as display, and that can be rendered in two different ways, either block or inline.
 - c. Write an example of its use (i.e. an explicit code example of it being used)
 - d. `<math display="block"> <mrow> <munderover> <mo>Σ</mo>
</munderover> </mrow> </math>`
 - i. This example is inspired by the Mozilla developer web page

Research CSS: <https://developer.mozilla.org/en-US/docs/Web/CSS>

1. CSS gradients https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_images/Using_CSS_gradients
 - a. What is the feature used for?
 - i. This feature is used to make a gradient out of two or more colors in any direction
 - b. Name and describe the values, options, or methods that the feature supports.
 - i. The values would be background: linear-gradient, and then colors or angle of the gradient, or corner to where gradient goes. There is also background-blend-mode that blends the colors together.
 - c. Write an example of its use (i.e. an explicit code example of it being used).
 - i. The example on the Mozilla developer page is .simple-linear { background: linear-gradient(blue, pink); }

2. CSS Breadcrumb Navigation https://developer.mozilla.org/en-US/docs/Web/CSS/Layout_cookbook/Breadcrumb_Navigation
 - a. What is the feature used for?
 - i. This is used to see what the path the user took to get to their current location within the website.
 - b. Name and describe the values, options, or methods that the feature supports.
 - i. The options of the values is padding, margins, the display it sits in, the content that it holds and many more.
 - c. Write an example of its use (i.e. an explicit code example of it being used).
 - i. `.breadcrumb { padding: 0 .5rem; }`
 1. This example was given on the Mozilla developer web site
3. CSS wrapper and Grids https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_grid_layout/Basic_concepts_of_grid_layout
 - a. What is the feature used for?
 - i. This feature is used to put information in a grid pattern, in columns and rows on the HTML page.
 - b. Name and describe the values, options, or methods that the feature supports.
 - i. Some of the options values or methods would be display: grid (how you get it) grid-template-columns to explicitly say how many rows and columns are wanted. As well as how wide and tall each can be.
 - c. Write an example of its use (i.e. an explicit code example of it being used).
 - i. `.wrapper { display: grid; grid-template-columns: 1fr 1fr 1fr; }`
 1. This example was one given by the information page listed above.
4. CSS Shapes https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_shapes/Overview_of_shapes
 - a. What is the feature used for?
 - i. This feature is used to insert shapes into a HTML page, for example if there is a circular picture that the developer wants in the page they could insert a shape to look like the text is bending around the image.
 - b. Name and describe the values, options, or methods that the feature supports.
 - i. There is a float option to where the shape would be. There is a shape-outside: circle(100%) to show how close it will wrap and how big the shape would be. There is also border, outline, padding, margin, and all of the regular ones. The different shapes are circle, ellipse, rectangle (square), triangle, and more.
 - c. Write an example of its use (i.e. an explicit code example of it being used).
 - i. `img { float: left; shape-outside: circle(50%); }`
 1. This is an example from the Mozilla developer page linked above.

Resources:

We looked back at the exercises that we did on W3 Schools to remember how to make boxes, and hover over information for CSS here is the [link](#)

(https://www.w3schools.com/Css/exercise.asp?filename=exercise_boxmodel2) Suggestions or

Improvements on Lab:

We thought that this was a straightforward lab, and it worked very well, so there wasn't anything that could be changed.