CSS
Lab 2

1   CSS Box Model

https://www.tutorialrepublic.com/css-tutorial/css-box-model.php

https://www.tutorialrepublic.com/css-tutorial/css-visual-formatting.php

https://www.w3schools.com/css/css_boxmodel.asp

1.1.1   dimensions (width, height)

width, height, max-width, min-width, max-height, min-height
https://www.tutorialrepublic.com/css-tutorial/css-dimension.php

https://www.w3schools.com/css/css_dimension.asp

1.1.2   padding

padding-top, padding-right, padding-bottom, padding-left, padding
https://www.tutorialrepublic.com/css-tutorial/css-padding.php

https://www.w3schools.com/css/css_padding.asp

1.1.3   border

border-style, border-width, border-color, border
https://www.tutorialrepublic.com/css-tutorial/css-border.php

https://www.w3schools.com/css/css_border.asp

To specify border-style, border-width, border-color for individual sides
https://www.w3schools.com/css/css_border_sides.asp

NOTE: None of the other CSS border properties will have ANY effect unless the border-style property is set

1.1.4   border-radius

https://www.w3schools.com/css/css_border_rounded.asp

https://www.w3schools.com/css/css3_borders.asp

For checking effects:

https://border-radius.com/

1.1.5   border-image

https://www.w3schools.com/css/css3_border_images.asp

1.1.6 box-sizing

https://www.freecodecamp.org/news/how-to-use-the-css-box-sizing-property/

https://www.w3schools.com/css/css3_box-sizing.asp

1.1.7 margin

margin-top, margin-right, margin-bottom, margin-left, margin
https://www.tutorialrepublic.com/css-tutorial/css-margin.php
`auto` property calculates the margin to center an element horizontally within a parent container

https://www.w3schools.com/css/css_margin.asp

1.1.8 negative margins

https://www.quirksmode.org/blog/archives/2020/02/negative_margin.html

Common use:
https://css-tricks.com/negative-margins/
For a <div>, the padding is from the border of the div into the child elements within the <div>

1.1.9 collapsing margins

https://www.freecodecamp.org/news/what-is-margin-collapse-and-how-to-avoid-it/

https://css-tricks.com/what-you-should-know-about-collapsing-margins/

2   CSS Layouts

https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Introduction

2.1   display

https://www.freecodecamp.org/news/the-css-display-property-display-none-display-table-inline-block-and-more/

https://www.tutorialrepublic.com/css-tutorial/css-display.php

https://www.w3schools.com/css/css_display_visibility.asp

2.2 position

https://www.tutorialrepublic.com/css-tutorial/css-position.php
Relative positioning involves using `top`, `bottom`, `left` and/or `right`

https://css-tricks.com/almanac/properties/p/position/

https://www.w3schools.com/css/css_positioning.asp

https://ishadeed.com/article/learn-css-positioning
Keep in mind that in this example here, only the value 0 can be specified without a unit, if you decide to change it in codepen when you are playing around, you need to specify a clear value

Difference between absolute and relative
https://www.freecodecamp.org/news/css-positioning-position-absolute-and-relative/

2.2.1 Layering with z-index

https://www.tutorialrepublic.com/css-reference/css-z-index-property.php

https://www.tutorialrepublic.com/css-tutorial/css-layers.php

https://www.w3schools.com/css/css_z-index.asp

2.3 float

https://www.tutorialrepublic.com/css-tutorial/css-float.php

https://www.w3schools.com/css/css_float.asp
https://www.w3schools.com/css/css_float_clear.asp
Demonstrate `overflow:auto` and `.clearfix::after`

https://www.w3schools.com/css/css_float_examples.asp

https://blog.hubspot.com/website/css-float

https://css-tricks.com/all-about-floats/

2.4   Alignment techniques

https://www.tutorialrepublic.com/css-tutorial/css-alignment.php

2.5   Flexbox

https://web.dev/learn/css/flexbox/

https://www.w3schools.com/css/css3_flexbox.asp

https://css-tricks.com/snippets/css/a-guide-to-flexbox/

2.6   Grid

https://www.w3schools.com/css/css_grid.asp

https://learncssgrid.com/#grid-gaps

https://css-tricks.com/snippets/css/complete-guide-grid/

https://gridbyexample.com/examples/

3   Responsive web design (RWD)

3.1   Viewport

https://www.w3schools.com/css/css_rwd_viewport.asp

https://developer.mozilla.org/en-US/docs/Web/CSS/Viewport_concepts#what_is_a_viewport

Concept of visual viewport vs layout viewport
https://developer.mozilla.org/en-US/docs/Web/CSS/Viewport_concepts#viewport_sizes_are_mutable
https://developers.google.com/web/updates/2015/01/What-the-Viewport

3.2 General principles

https://www.w3schools.com/html/html_responsive.asp

https://www.w3schools.com/css/css_rwd_intro.asp

3.3 Media Queries

https://www.w3schools.com/css/css_rwd_mediaqueries.asp

https://www.w3schools.com/css/css3_mediaqueries_ex.asp

https://css-tricks.com/a-complete-guide-to-css-media-queries/

4 Working with Chrome Developer Tools

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

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