Report Day 2.2

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Task: Box Model: margin, padding, border, content

CSS Box Model:

The **CSS Box Model** is a fundamental concept in web design. It describes how elements are structured and spaced on a web page. Every HTML element is considered a box made up of the following layers, from the inside out:

1. Content

- The actual content of the box (text, image, etc.).
- Example: A paragraph's text or an image.

2. Padding

- Space inside the box, around the content.
- It adds spacing between the content and the border.
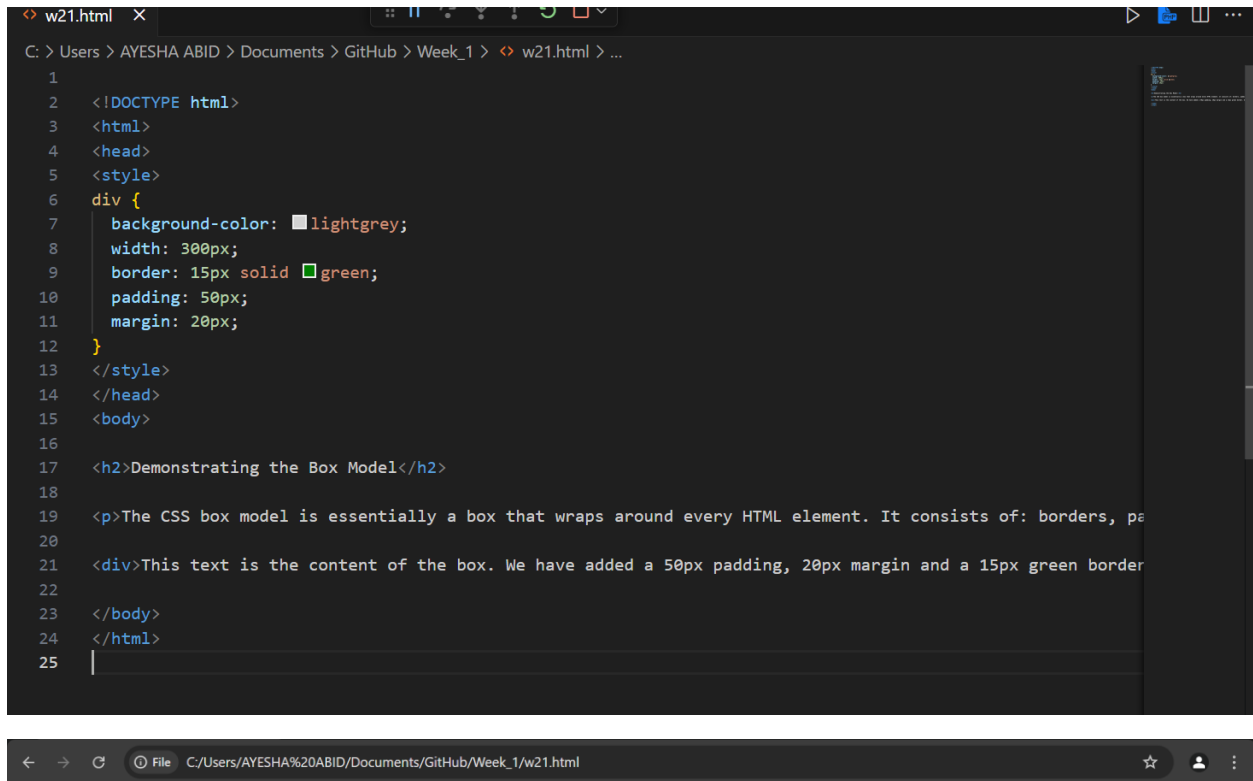- Background color extends into the padding.

3. Border

- A line surrounding the padding (and content).
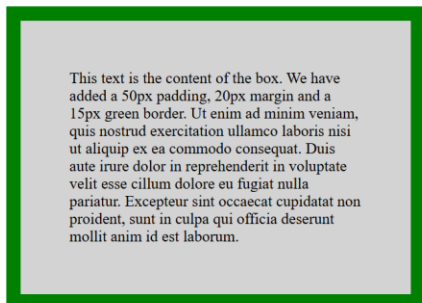- You can control its thickness, style (solid, dashed), and color.

4. Margin

- Space outside the box, between this element and other elements.
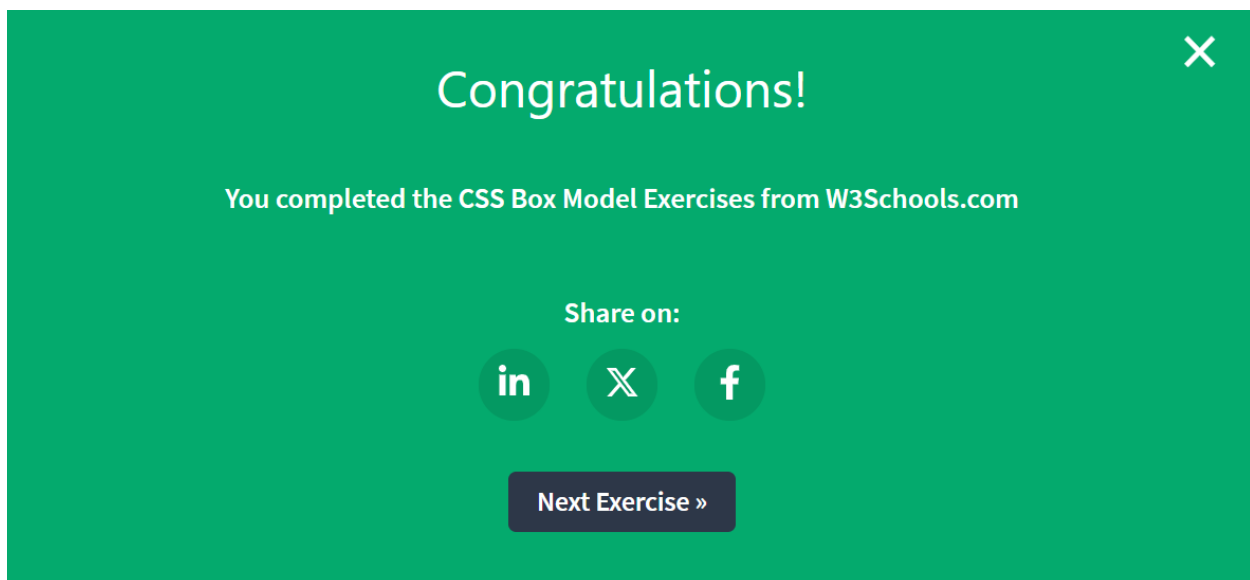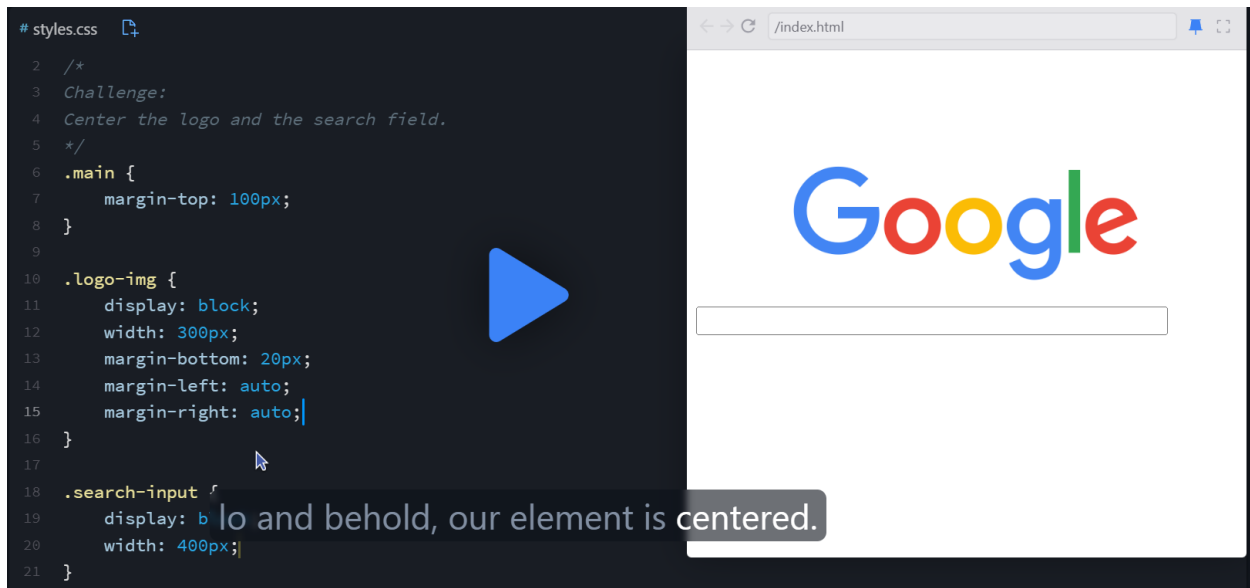- Margins are transparent and create spacing around the element.

Screenshots of code:


```html
<!DOCTYPE html>
<html>
<head>
<style>
div {
    background-color: lightgrey;
    width: 300px;
    border: 15px solid green;
    padding: 50px;
    margin: 20px;
}
</style>
</head>
<body>

<h2>Demonstrating the Box Model</h2>

<p>The CSS box model is essentially a box that wraps around every HTML element. It consists of: borders, pa

<div>This text is the content of the box. We have added a 50px padding, 20px margin and a 15px green border

</body>
</html>
```


Demonstrating the Box Model

The CSS box model is essentially a box that wraps around every HTML element. It consists of: borders, padding, margins, and the actual content.

This text is the content of the box. We have added a 50px padding, 20px margin and a 15px green border. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

```
# styles.css

2   /*
3   Challenge:
4   Center the logo and the search field.
5   */
6   .main {
7       margin-top: 100px;
8   }
9
10  .logo-img {
11      display: block;
12      width: 300px;
13      margin-bottom: 20px;
14      margin-left: auto;
15      margin-right: auto;
16  }
17
18  .search-input {
19      display: b lo and behold, our element is centered.
20      width: 400px;
21  }
```

Congratulations!

You completed the CSS Box Model Exercises from W3Schools.com

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Next Exercise »

Conclusion:

Understanding the **CSS Box Model** is essential for controlling layout and spacing in web design. It helps us manage how elements are sized and positioned using content, padding, border, and margin. Mastery of the box model ensures clean, organized, and visually appealing web pages.