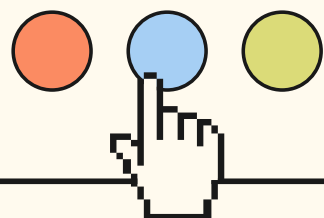




07/09/2024



FOUNDATIONS OF WEB DESIGN

CLASS 5

**Basic CSS
Styling and
Syntax**

<https://dem-1323.github.io/foundations-of-web-design/>

INTRO TO CSS



What Is It?

- Cascading Style Sheets
- Describes how HTML elements are to be displayed

Basic Syntax

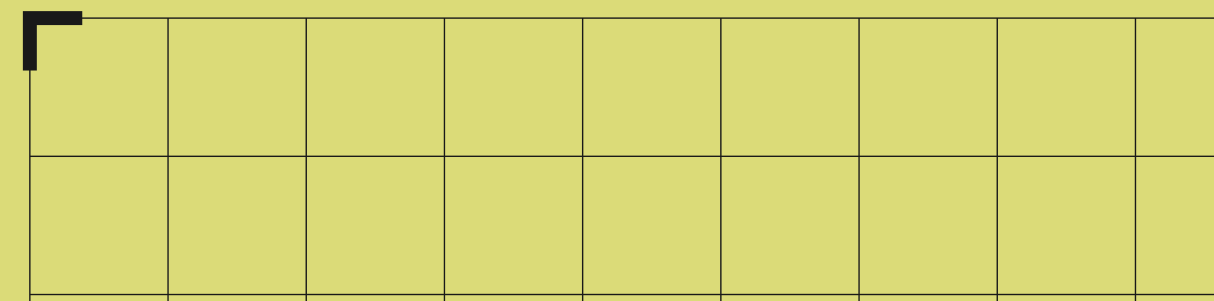
```
Selector {  
    property: value;  
}
```

Ex:

```
body {  
    background-color: red;  
}
```

Types of CSS

- Inline CSS
- Internal CSS
- External CSS



INLINE CSS

Added directly into an HTML element using the style attribute

Example:

```
<p style="color: red;">  
This is a red paragraph.  
</p>
```

This is a paragraph.

INTERNAL CSS

Added in the `<style>` tag
inside the `<head>` section of
the HTML file

Example:

```
<head>  
  <style>  
    p {  
      color: blue;  
    }  
  </style>  
</head>
```

This is a paragraph.

EXTERNAL CSS

Written in a seperate .CSS file

- Linked using the <link> tag

Example in HTML:

```
<link rel="stylesheet" href="styles.css">
```

Example in CSS:

```
h1{  
    color: orange;  
}
```

External CSS

This is a paragraph.

SELECTORS

Types of selectors

- **Element selector**
- **Class selector**
- **ID selector**

Selectors are used to target the HTML elements you want to style. There are several types of selectors:

- **Element selector:** Targets all elements of a specific type, e.g., `p`.
- **Class selector:** Targets elements with a specific class attribute, e.g., `.myClass`.
- **ID selector:** Targets an element with a specific ID attribute, e.g., `#myId`.

ELEMENT SELECTOR

Targets all elements of a specific type

Example:

```
p {  
  font-size: 50px;  
}
```

External CSS

This is a paragraph.

CLASS SELECTOR

Targets elements with a specific class attribute

- **Syntax: 'classname'**

Example in HTML:

```
<p class="intro">  
  This is the intro.  
</p>
```

Example in CSS:

```
.intro {  
  color: green;  
}
```

Test HTML

This is the intro.

ID SELECTOR

Targets elements with a specific ID attribute

- **Syntax: `.#'idname'`**

Example in HTML:

```
<h1 id="header">  
  Test HTML  
</h1>
```

Example:

```
#header {  
  color: white;  
  background-color: purple;  
}
```

Test HTML

This is the intro.

COMBINE SELECTORS

You can combine multiple selectors to apply the same styles to different elements

Example:

```
h1, h2, h3 {  
  color: purple;  
}
```

This is a heading

This is a heading

This is a heading

CSS PROPERTIES

Common Properties

- color
- font-size
- background-color
- margin
- padding

```
p { font-size: 1.2em; }
```

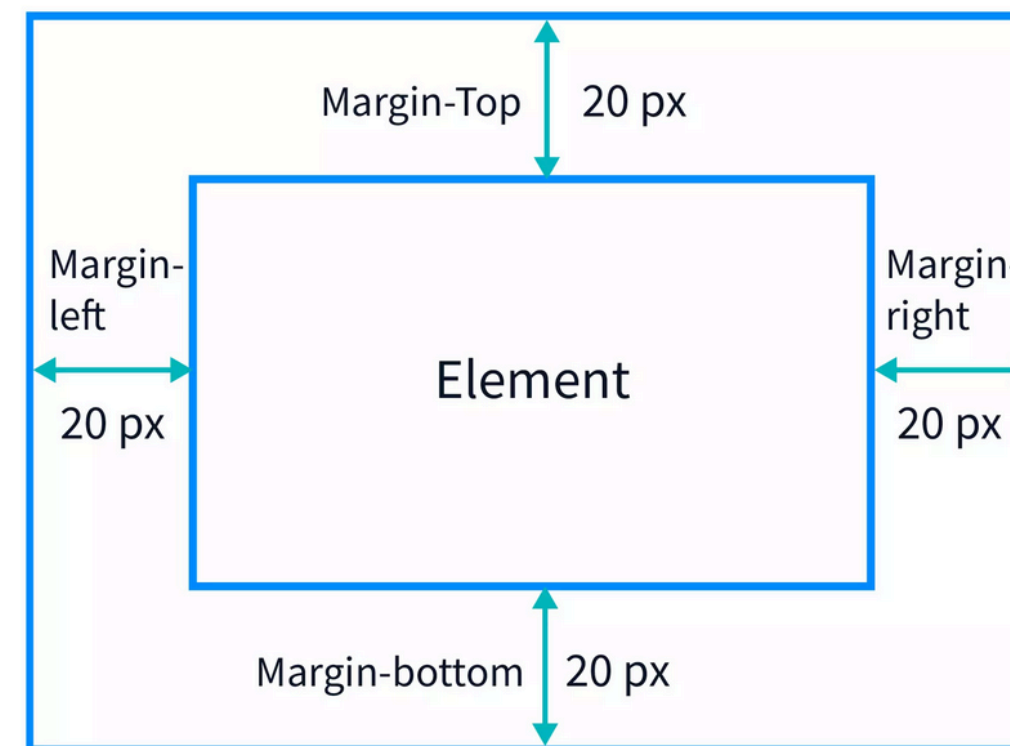
The diagram illustrates the components of a CSS declaration block. The selector 'p' is labeled 'selector'. The entire block '{ font-size: 1.2em; }' is labeled 'declaration'. Inside the declaration, 'font-size:' is labeled 'property' and '1.2em;' is labeled 'value'.

MARGIN

'margin' property:
You use this property to set the space outside an element

Example:

```
h1 {  
  margin: 20px;  
}
```



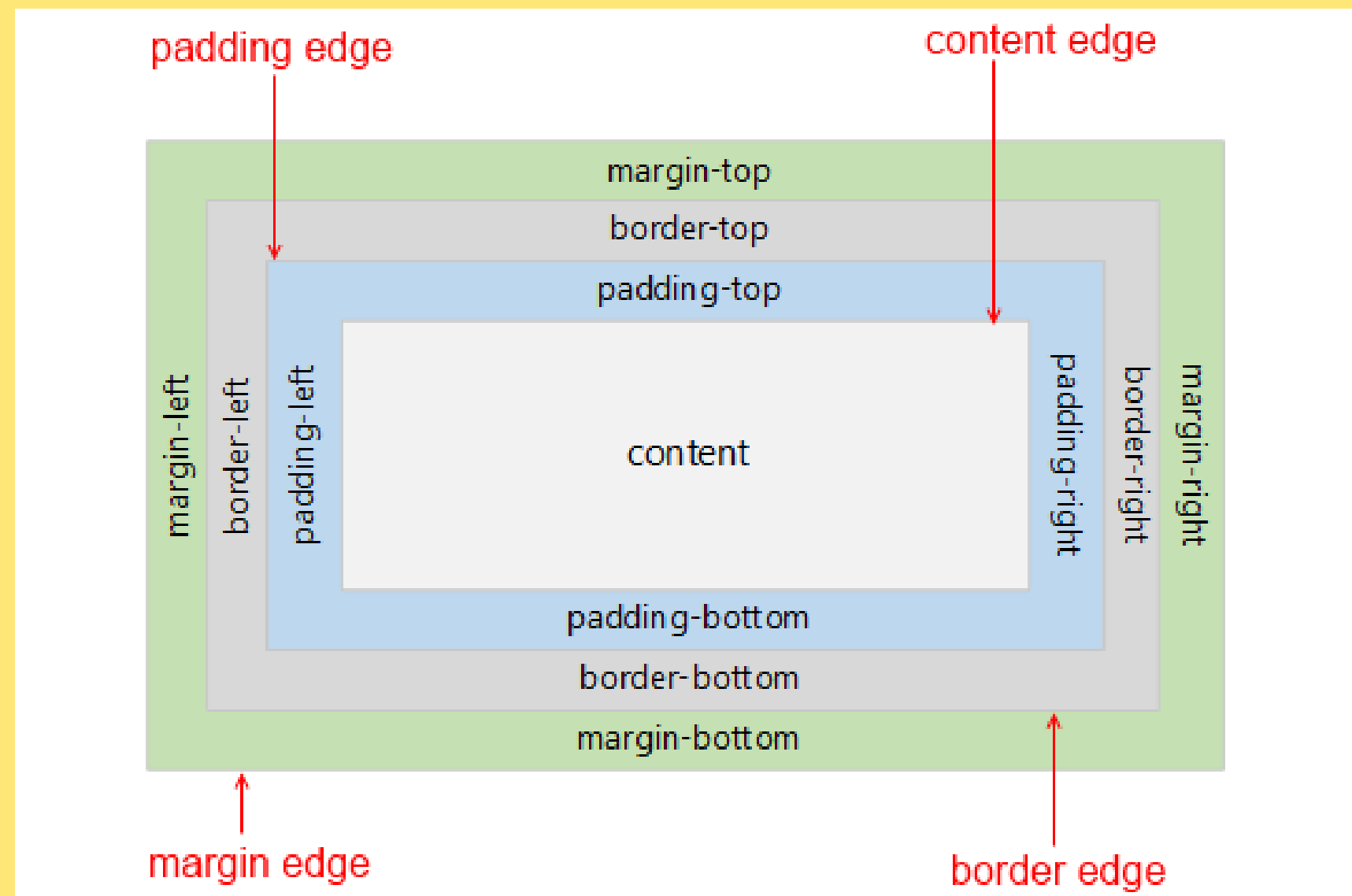
PADDING

'padding' property:

You use this property to set the space inside an element between itself and its border

Example:

```
p {  
  padding: 10px;  
}
```



COMPLETE CLASS EXERCISE 5

GO TO COURSE WEBSITE:

- Click on Class Exercises
- Click **Class Exercise 5** in Week 3 Section

FOLLOW THE INSTRUCTIONS:

- **Download** starter_code.zip
- Unzip the folder and get started with your HTML file

Foundations of Web Design

Home | Course Info | Class Slides | **Class Exercises** | Projects | Resources

Class Exercise 5:

Styling an HTML page with CSS

Goal:

Style an existing HTML File using these CSS Properties:

- background-color
- font-size
- color
- text-align
- border
- margin
- padding

Instructions:

Download [starter_code05.zip](#):

- Unzip the folder to get started.

Setup your Files:

- In your "Foundations of Web Design" folder, create a new folder named "Week 3".
- Open your "Week 3" folder and drag the files from the "starter_code" folder into your "Week 3" folder.
- Open your "CE05" folder and create a CSS file named "styles.css".

COMPLETE CLASS EXERCISE 5 CONT.

STYLE A WEBPAGE WITH:

- background-color
- font-size
- color
- text-align
- border
- margin
- padding

Class Exercise 5

This is a simple website with basic styling.

[Home](#) [About](#) [Contact](#)

About Me

Here is some information about me.

Hobbies

- Reading
- Traveling
- Cooking

Contact Information

You can contact me at example@example.com

Footer content goes here.