

# INTRODUCTION TO CSS FUNDAMENTALS, RESPONSIVE WEB DESIGN, CSS ICONS

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Lecture 3, Week 3

## LAST TIME

- ❑ Intro to HTML Fundamentals
- ❑ HTML Images/Forms/Tables
- ❑ Built a simple project with HTML

## TODAY

- ❑ How CSS describes the elements displayed by HTML
- ❑ How HTML and CSS can help make a website look good on all devices (desktops, tablets, and phones)
- ❑ How to customize and use icons during web design

## CSS

CSS stands for Cascading Style Sheets. It describes how HTML elements are to be displayed.

## CSS Syntax

A CSS rule consists of a **selector** and a **declaration** block

```
h1 {font-size:32px; color:red; text-align:center;}
```

- ❑ The selector points to the HTML element to style (h1)
- ❑ The declaration block (in curly braces) contains one or more declarations separated by semicolons (;). Each declaration includes a CSS property “name” or “property” and a “value”, separated by a colon (:).

## Examples

```
<style>
  p {font-size:32px; color:red; text-align:center;}
</style>
```

*Or can also be reformatted as such for readability.*

```
<style>
  p {
      font-size: 32px;
      color: red;
      text-align: center;
  }
</style>
```

## External Style Sheet

A CSS style sheet can be stored in an external file e.g mystyle.css. The external style sheets are linked to HTML pages with <link> tags.

### External file (mystyle.css)

```
body {background-color: orange; font-family:verdana}

h1 {color: white;}

p {font-size: 20px;}
```

### HTML file (myhtml.html)

```
<!DOCTYPE html>
<html>
  <link rel="stylesheet" href="mystyle.css">
  <body>
    <h1>My First CSS Example</h1>
    <p>This is a paragraph.</p>
  </body>
</html>
```

## Inline Style

The CSS style is added directly into the HTML elements.

```
<!DOCTYPE html>
<html>
```

```
<body>
  <p style="font-size:25px">This is a paragraph.</p>
  <p style="font-size:30px">This is a paragraph.</p>
</body>
</html>
```

## Cascading Order

If different styles are specified for HTML elements, the styles will cascade into new styles with the following priority:

- Priority 1: Inline styles
- Priority 2: External and internal style sheets