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Introduction to CSS3

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Overview

Cascading Style Sheets (CSS) is a styling language that is used to illustrate the look, style, and format of a document written in any markup language. It is most commonly used to style and organize the layout of Web pages. **CSS3** is the latest version.

CSS rules can be applied to multiple pages at once, allowing for easy maintainability. Styling can be adjusted in a single document, which **cascades** to impact several files at once.

This differs from inline styling with HTML which, due to its tight coupling together of web page architecture and styling, has poor maintainability.

Inline styles

Inline styling is typically used if one single HTML page has a unique style.

The inline style is defined by the **style** label inside the head section of the element you wish to apply the styling to:

```
<p style="color:red;">Inline CSS</p>
```

This style is only scoped to the specific element whose tag it is defined in.

Embedded Style Sheets

Style sheets can be embedded within an HTML document within **<style>** container tags. The **<style>** tag has a **type** attribute which is **text/css** for CSS.

```
<style type="text/css">
  h1 {font-size:15pt;font-weight:bold}
  p {font:bolditalic 12pt/20pt Times,serif}
</style>
```

External Style Sheets

The most effective way to implement CSS is through an external style sheet, saved in **.css** format.

Each HTML page must include a **href** reference to the external style sheet file inside the **<link>** element. Here, it is stored in the same folder as the **.html** file:

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```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" type="text/css" href="myFile.css">
  </head>
  <body>
    <h1>This is a heading</h1>
  </body>
</html>
```

```
body {
  background-color: blue;
}
h1 {
  color: navy;
  margin-left: 20px;
}
```

Tutorial

There is no tutorial for this module.

Exercises

Create a new HTML file or use a previously created one. Try to apply each of the three types of CSS styling to your HTML file; inline, embedded, and external.