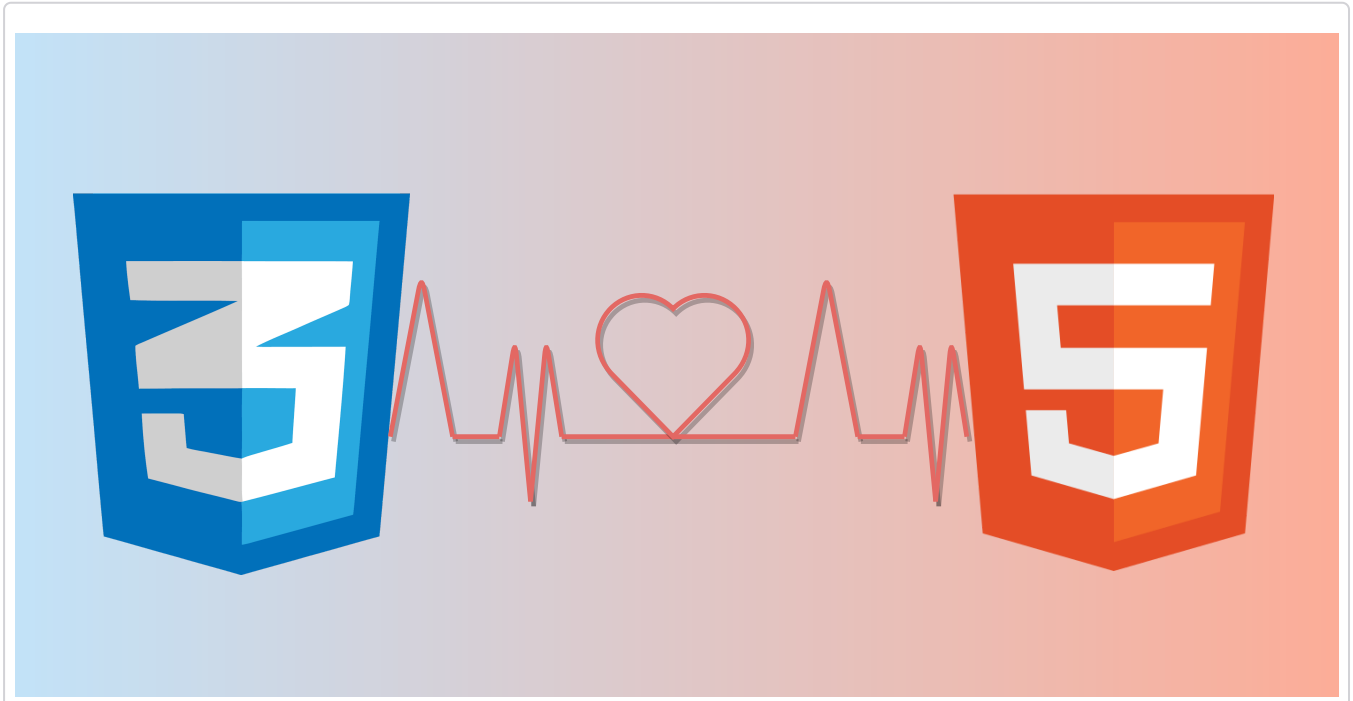
How It Works: Using an Embedded Style Sheet

In this lesson, we will understand how to use an embedded style sheet in our HTML file from the previous exercise.
Let's begin!

WE'LL COVER THE FOLLOWING

- HOW IT WORKS
- Complete live demo at your service!



HOW IT WORKS

In **Step 2**, you moved the content of style attributes into a style sheet. This is a series of rules within the `<style>` element in the `<head>` section (**lines 5 - 17**). The `body` (**line 6**), `h1` (**line 9**), and `h2` (**line 13**) are so-called **selectors** that associate the style rules, described between braces, with the corresponding HTML tags; just like if you had written them into the style attribute of the corresponding tags.

index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Table of Contents</title>
  <style>
    body {
      font-family: Verdana, Arial, sans-serif;
    }
    h1 {
      color: white;
      background-color: #61b3e7;
    }
    h2 {
      color: #FF645F;
      margin-left: 40px;
    }
  </style>
</head>
<body >
  <h1>Introduction</h1>
  <h2>Whom this book is for?</h2>
  <h2>Errata</h2>
  <h1>Chapter 1</h1>
  <h2>What you will learn in this chapter</h2>
  <h2>Summary</h2>
  <h1>Chapter 2</h1>
  <h2>Recap</h2>
  <h2>Conclusion</h2>
</body>
</html>
```

When you modified the appearance of all `<h2>` elements in **step 4**, you only changed the definition of the h2 selector in the style sheet, instead of rewriting the style attribute of each `<h2>` tag, as you had done in the previous exercise.

The main virtue of this type of description is that it *separates* the **content of the page** from its **style**.

> *While the HTML elements within `<body>` define the content to render, the style sheet described within `<style>` assigns visual properties to the content.*

Complete live demo at your service!

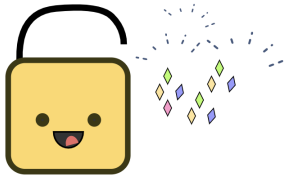
The complete implementation of the above exercise is given below for you to

play around and experiment with.

Learn and Enjoy! :)

```
<!DOCTYPE html>
<html>
<head>
  <title>Table of Contents</title>
  <style>
    body {
      font-family: Verdana, Arial, sans-serif;
    }
    h1 {
      color: white;
      background-color: #61b3e7;
    }
    h2 {
    color: #61b3e7;
    margin-left: 40px;
    border-bottom: 4px dotted black;
    }
  </style>
</head>
<body >
  <h1>Introduction</h1>
  <h2>Whom this book is for?</h2>
  <h2>Errata</h2>
  <h1>Chapter 1</h1>
  <h2>What you will learn in this chapter</h2>
  <h2>Summary</h2>
  <h1>Chapter 2</h1>
  <h2>Recap</h2>
  <h2>Conclusion</h2>
</body>
</html>
```

Achievement unlocked!



Congratulations! You've learned how to make use of embedded style sheets within HTML code!

Fantastically stylish work! Give yourself a round of applause! :)

In the *next lesson*, we'll shift these styles into dedicated cascading style sheets!

See you there! :)