

Partie 1 : CSS

All of the html is hosted : <https://lab3.adityabaindur.dev>

Github: <https://github.com/ABUO023/Lab3-CSI-3540>

Exercise 3.1

<https://lab3.adityabaindur.dev/Book/3.1/main.css>

3.1. Practice writing simple style rules. In the following exercises, make use of the following declarations (one per line):

```
background-color: silver ;  
font-size: larger ;
```

These will be referred to as “the background declaration” and “the text declaration,” respectively.

(a) Write CSS style rules that apply the background declaration to `div` elements and the text declaration to `strong` elements.

```
div{  
background-color: silver ;  
}
```

```
strong{  
font-size: larger ;  
}
```

(b) Write a single style rule that applies both the background and text declarations to both `p` and `em` elements.

```
p, em{  
background-color: silver ;  
font-size: larger ;  
}
```

(c) Write a single style rule that applies the background declaration to HTML elements having a value of Nevada for their id attributes as well as to elements belonging to the shiny class.

```
#Nevada, .shiny{  
background-color: silver ;  
}
```

(d) Write a style rule that applies the text declaration to `span` elements that belong to the bigger class.

```
span.bigger{  
font-size: larger ;  
}
```

(e) Write a style rule that applies the text declaration to `span` elements that are descendants of other `span` elements.

```
span span{  
font-size: larger ;  
}
```

(f) Write a style rule that applies the background declaration when the cursor hovers over a hyperlink.

```
a:hover{
background-color: silver ;
}
```

Exercise 3.2

<https://lab3.adityabaindur.dev/index.html>

3.2. Create three external style sheets, using a different subset of the style rules you wrote for the previous exercise in each style sheet. Then write a complete XHTML 1.0 Strict document that uses all of your style rules.

(a) Your document should treat your style sheets as being of three different types:

- A non-persistent and preferred style sheet
- An alternate style sheet
- A style sheet used only if the XHTML document is printed

(b) Use the @import rule to have the first of your style sheets import the second, which imports the third. Your XHTML document should treat the first style sheet as a persistent style sheet.

Print.css

```
span.bigger { font-size: larger; }
span span { font-size: larger; }
a:hover { background-color: silver; }
```

Styles 1.css (Primary css)

```
@import url("style2.css");

div { background-color: silver; }
strong { font-size: larger; }
```

Styles 2.css (Alternate CSS)

```
@import url("print.css");

p, em {
background-color: silver;
font-size: larger;
}

#Nevada, .shiny { background-color: silver; }
```

Index.xhtml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<title>Exercise 3.2</title>

<!-- Primary stylesheet -->
<link rel="stylesheet" type="text/css" href="styles/style1.css" />

<!-- Alternate stylesheet -->
<link rel="alternate stylesheet" type="text/css" href="styles/print.css"
title="Alternate" />

<!-- Print stylesheet -->
<link rel="stylesheet" type="text/css" href="styles/print.css" media="print" />
</head>

<body>
<div>
<p>
This is a <strong>strong</strong> word and an <em>emphasized</em> word.
</p>

<p id="Nevada">This paragraph has id Nevada.</p>

<p class="shiny">This paragraph is shiny.</p>

<p>
<span class="bigger">This span is bigger.</span>
</p>

<p>
<span>Outer span <span>inner span</span></span>
</p>

<p>
<a href="https://example.com">Hover over this link</a>
</p>
</div>
</body>
</html>
```

Exercise 3.3

Write an embedded style sheet (including the appropriate HTML tags) that sets the value of the font-family property to Gill Sans Bold SmallCaps & OSF for all elements of the document.

Hello world.

Some more basic text so you can see the font is throughout the document.

```
<!DOCTYPE html>
<html>
<head>
<title>Ex 3.3</title>
<style>
* {
font-family: "Gill Sans Bold Small Caps & OSF", sans-serif;
}
#main{
display: flex;
flex-direction: column;
justify-content: center;
align-items: center;
height: calc(100vh - 40px) ;
}
</style>
</head>

<body>
<main>
<div id="main">
<p>Hello world. </p>
<p>Some more basic text so you can see the font is throughout the document.</p>
</div>
</main>
```

```
</body>
```

```
</html>
```

Exercise 3.20

Write a style sheet that will cause the `li` elements within any `ol` element to be numbered in an outline style: the top-level `li` elements should use uppercase Roman numerals, the next level uppercase letters, the next level lowercase Roman numerals, then lowercase letters, and finally decimal numerals at the fifth level.

Outline Style Numbering (5 Levels)

- I. Level 1 Item
 - A. Level 2 Item
 - i. Level 3 Item
 - a. Level 4 Item
 - 1. Level 5 Item
 - 2. Level 5 Item
 - b. Level 4 Item
 - ii. Level 3 Item
 - B. Level 2 Item
- II. Level 1 Item
 - A. Level 2 Item
 - B. Level 2 Item
- III. Level 1 Item

Styles.css

```
ol { list-style-type: upper-roman; }
```

```
ol ol { list-style-type: upper-alpha; }
```

```
ol ol ol { list-style-type: lower-roman; }
```

```
ol ol ol ol { list-style-type: lower-alpha; }
```

```
ol ol ol ol ol { list-style-type: decimal; }
```

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Outline Numbering (5 Levels)</title>

<link rel="stylesheet" href="./styles.css" />
</head>

<body>
<main id="main-content">
<h1>Outline Style Numbering (5 Levels)</h1>

<ol>
<li>
Level 1 Item
<ol>
<li>
Level 2 Item
<ol>
<li>
Level 3 Item
<ol>
<li>
Level 4 Item
<ol>
<li>Level 5 Item</li>
<li>Level 5 Item</li>
</ol>
</li>
<li>Level 4 Item</li>
</ol>
</li>
<li>Level 3 Item</li>
</ol>
</li>
<li>Level 2 Item</li>
</ol>
</li>

<li>
Level 1 Item
<ol>
<li>Level 2 Item</li>
<li>Level 2 Item</li>
```

```
</ol>
```

```
</li>
```

```
<li>Level 1 Item</li>
```

```
</ol>
```

```
</body>
```

```
</main>
```

```
</html>
```