

# 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>
```