Database System & Web Lab (15B17CI372)

Odd SEM 2024

(HTML/CSS)

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**Exercise 1**. Run the following HTML/CSS code

**Follow the following steps to run this codes:**

**Step 1** is to open your text editor (Notepad), start with an empty window and type the following:

<!DOCTYPE html>

<html>

<head>

<style>

p {

color: red;

text-align: center;

}

</style>

</head>

<body>

<p>Hello World!</p>

<p>These paragraphs are styled with CSS.</p>

</body>

</html>

**Step 2:** Select file, Save As and be sure to select text documents as the file type with .html extension

The procedure for running all HTML/CSS pages is same as above.

2.

<!DOCTYPE html>

<html>

<head>

<style>

p {

text-align: center;

color: red;

}

</style>

</head>

<body>

<p>Every paragraph will be affected by the style.</p>

<p id="para1">Me too!</p>

<p>And me!</p>

</body>

</html>

3

<!DOCTYPE html>

<html>

<head>

<style>

.center {

text-align: center;

color: red;

}

</style>

</head>

<body>

<h1 class="center">Red and center-aligned heading</h1>

<p class="center">Red and center-aligned paragraph.</p>

</body>

</html>

4

<!DOCTYPE html>

<html>

<head>

<style>

p.center {

text-align: center;

color: red;

}

</style>

</head>

<body>

<h1 class="center">This heading will not be affected</h1>

<p class="center">This paragraph will be red and center-aligned.</p>

</body>

</html>

5.

<!DOCTYPE html>

<html>

<head>

<style>

p.center {

text-align: center;

color: red;

}

p.large {

font-size: 300%;

}

</style>

</head>

<body>

<h1 class="center">This heading will not be affected</h1>

<p class="center">This paragraph will be red and center-aligned.</p>

<p class="center large">This paragraph will be red, center-aligned, and in a large font-size.</p>

</body>

</html>

6.

<!DOCTYPE html>

<html>

<head>

<style>

\* {

text-align: center;

color: blue;

}

</style>

</head>

<body>

<h1>Hello world!</h1>

<p>Every element on the page will be affected by the style.</p>

<p id="para1">Me too!</p>

<p>And me!</p>

</body>

</html>

7.

<!DOCTYPE html>

<html>

<head>

<style>

h1, h2, p {

text-align: center;

color: red;

}

</style>

</head>

<body>

<h1>Hello World!</h1>

<h2>Smaller heading!</h2>

<p>This is a paragraph.</p>

</body>

</html>

**Exercise 2. Read and execute given examples in the below CSS tutorial**

Three Ways to Insert CSS

There are three ways of inserting a style sheet:

* External CSS
* Internal CSS
* Inline CSS

## External CSS

With an external style sheet, you can change the look of an entire website by changing just one file!

Each HTML page must include a reference to the external style sheet file inside the <link> element, inside the head section.

### Example

External styles are defined within the <link> element, inside the <head> section of an HTML page:

<!DOCTYPE html>  
<html>  
<head>  
<link rel="stylesheet" href="mystyle.css">  
</head>  
<body>  
  
<h1>This is a heading</h1>  
<p>This is a paragraph.</p>  
  
</body>  
</html>

An external style sheet can be written in any text editor, and must be saved with a .css extension.

The external .css file should not contain any HTML tags.

Here is how the "mystyle.css" file looks:

### "mystyle.css"

|  |
| --- |
| **Create the CSS Style Sheet**   1. Choose File > New in Notepad to get an empty window. 2. Save the file as CSS by clicking File < Save As... 3. Navigate to the my\_website folder on your hard drive. 4. Change the "Save As Type:" to "All Files" 5. Name your file "styles. css" (leave off the quotes) and click Save. |

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

## Internal CSS

An internal style sheet may be used if one single HTML page has a unique style.

The internal style is defined inside the <style> element, inside the head section.

### Example

Internal styles are defined within the <style> element, inside the <head> section of an HTML page:

<!DOCTYPE html>  
<html>  
<head>  
<style>  
body {  
  background-color: linen;  
}  
  
h1 {  
  color: maroon;  
  margin-left: 40px;  
}  
</style>  
</head>  
<body>  
  
<h1>This is a heading</h1>  
<p>This is a paragraph.</p>  
  
</body>  
</html>

## Inline CSS

An inline style may be used to apply a unique style for a single element.

To use inline styles, add the style attribute to the relevant element. The style attribute can contain any CSS property.

### Example

Inline styles are defined within the "style" attribute of the relevant element:

<!DOCTYPE html>  
<html>  
<body>  
  
<h1 style="color:blue;text-align:center;">This is a heading</h1>  
<p style="color:red;">This is a paragraph.</p>  
  
</body>  
</html>

### Exercise 3. Access following link to practice CSS Colors, CSS Backgrounds , CSS Borders, CSS Margins, CSS Padding, CSS Height/Width, CSS Text, CSS Fonts, CSS Icons, CSS Links, CSS Lists, CSS Tables, CSS Positioning, CSS Floating, CSS Aligning Elements and more CSS based examples

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[**https://www.w3schools.com/css/css\_examples.asp**](https://www.w3schools.com/css/css_examples.asp)