Cascading Style Sheets for PGDCA

Semester –II PGDCA-204

By: Arshdeep Singh, University computer centre

HTML Styles – CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS describes how HTML elements are to be displayed on screen, paper, or in other media.

CSS can be added to HTML elements in 3 ways:

- Inline - by using the style attribute in HTML elements
- Internal - by using a <style> element in the <head> section
- External - by using an external CSS file

Inline CSS

An inline CSS is used to apply a unique style to a single HTML element and uses the style attribute of an HTML element.

Example:

```
<!DOCTYPE html>

<html>

<body>

<h1 style="color:blue;">This is a red Heading</h1>

</body>

</html>
```

Result in browser:

This is a Blue Heading

Internal CSS

The internal style sheet is used to add a unique style for a single document. It is defined in <head> section of the HTML page inside the <style> tag. ... With Internal style sheets, you can style the visited, hover, active, and link color of an anchor tag.

But in the Internal CSS, we can not control styles for multiple documents at once.

Internal style Sheet is applicable to the Page in which it is included.

Internal Style Sheet is used to style individual page.

It's impossible to style "pseudo-elements" and classes with inline styles. With Internal style sheets, you can style the visited, hover, active, and link color of an anchor tag.

Example:

<html>

<head>

<style>

body {background-color: powderblue;}

h1   {color: blue;}

p   {color: red;}

</style></head>

```
<body>

<h1>This is a heading</h1>

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

</body>

</html>
```

Result in browser:

External CSS

An external style sheet is used to define the style for many HTML pages.With an external style sheet, you can change the look of an entire web site, by changing one file!

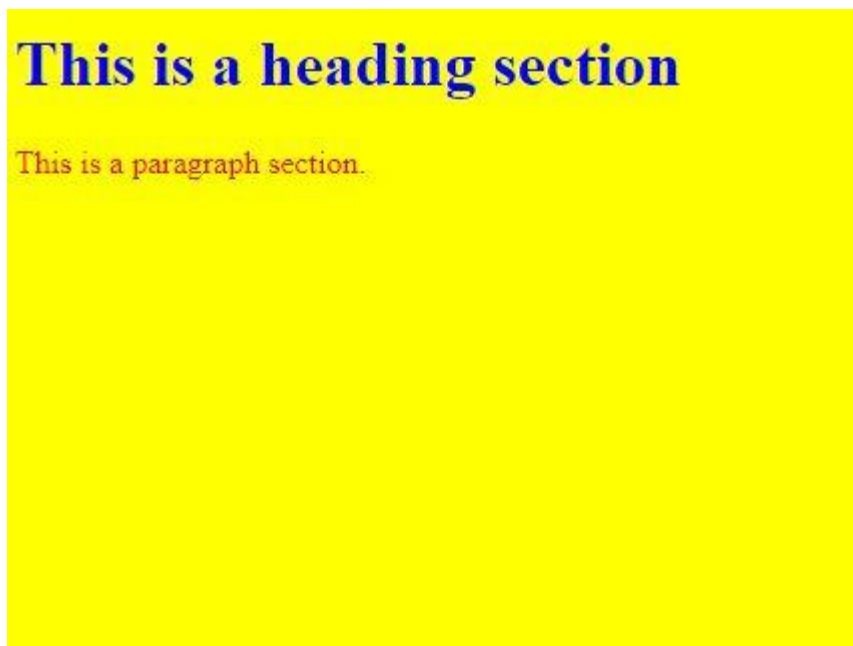To use an external style sheet, add a link to it in the <head> section of the HTML page:

Example:

```
<!DOCTYPE html>

<html>
```

```
<head>

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

</head>

<body>

<h1>This is a heading section</h1>

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

</body>

</html>
```

Result in browser:

An external style sheet can be written in any text editor. The file must not contain any HTML code, and must be saved with a **.css** extension.

Here is how the "styles.css" looks:

```
body {
  background-color: yellow;
}
h1 {
  color: blue;
}
p {
  color: red;
}
```