

CSE326

Internet Programming Laboratory Lecture #4

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Outline

- Introduction to Cascading Stylesheets (CSS)
- CSS syntax
- Types of CSS
- Comments in CSS

Introduction to CSS

- CSS was designed to enable the separation of presentation and content.
- CSS was introduced in 1996 by the World Wide Web Consortium (W3C), which also maintains its standard.
- CSS is a language for specifying how documents are presented to users — how they are styled, laid out, etc.
- These allows you to create great-looking web pages. CSS can be used for very basic document text styling — for example, for changing the color and size of headings and links.

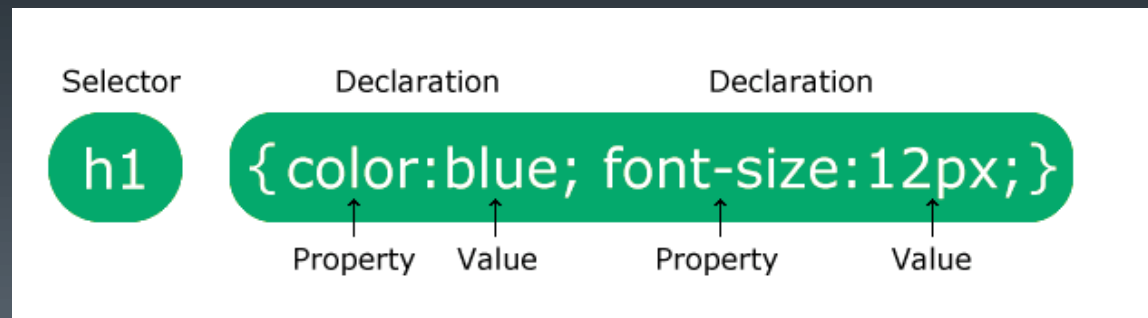
Introduction to CSS

- It can even be used for effects such as animation.

CSS syntax

- CSS is a rule-based language — you define the rules by specifying groups of styles that should be applied to particular elements or groups of elements on your web page.
- For example, you can decide to have the main heading on your page to be shown as a blue text. The following code shows a very simple CSS rule that would achieve the styling :

```
h1 {  
  color: blue;  
  font-size: 12px;  
}
```



Types of CSS

- Inline
- Internal/Embedded
- External

Inline stylesheet

- Inline styles are CSS declarations that affect a single HTML element, contained within a style attribute.

```
<h1 style="color: blue; font-size:12px;">  
    Hello World!  
</h1>
```

Internal/Embedded

- An internal stylesheet resides within an HTML document.
- To create an internal stylesheet, you place CSS inside a `<style>` element contained inside the HTML `<head>`

```
<head>
```

```
  <style>
```

```
    h1 {
```

```
      color: blue;
```

```
      font-size:12px;
```

```
    }
```

```
  </style>
```

```
</head>
```


External stylesheet

- An external stylesheet contains CSS in a separate file with a .css extension.
- You can link a single CSS file to multiple web pages, styling all of them with the same CSS stylesheet.

HTML file: (Lecture4.html)

<head>

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

</head>

<body>

<h1>Hello World!</h1>

</body>

External stylesheet

style.css

```
h1 {  
    color: blue;  
    font-size: 12px;  
}
```

Comments in CSS

- A CSS comment is used to add explanatory notes to the code or to prevent the browser from interpreting specific parts of the style sheet.
- By design, comments have no effect on the layout of a document.

`/* */`

References

- https://www.w3schools.com/css/css_syntax.asp
- https://www.w3schools.com/css/css_intro.asp
- https://www.w3schools.com/html/html_css.asp
- https://www.w3schools.com/css/css_text.asp
- https://www.w3schools.com/css/css_text_align.asp
- https://www.w3schools.com/css/css_dimension.asp
- https://www.w3schools.com/css/css_margin.asp

Program link

- <https://onlinegdb.com/xySGp3m09>
- <https://codepen.io/Dr-Navneet-Kaur/pen/qBLaZWN>

Thank you