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# IS216

## Web Application Development 2

### CSS – Part 1

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# What is CSS?

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- **Cascading Style Sheets (CSS)**
- One of the 3 **core technologies** of **front-end web development**
- Describes how HTML elements are to be **formatted & displayed**.

# HTML



Content & Structure

## NOUNS

`<p></p>`  
means  
**“paragraph”**

# CSS



Presentation

## ADJECTIVES

`p {color: red;}`  
means  
“the paragraph text is **red**”

# JavaScript



Behavior  
(Dynamic Effects)

## VERBS

`p.hide();`  
means  
**“hide the paragraph”**

The Three Musketeers

```
<!DOCTYPE html>
<html>
<body>
<h1>Hello World!</h1>
<p>Nobody styled me so I look ugly</p>
</body>
</html>
```

# Hello World!

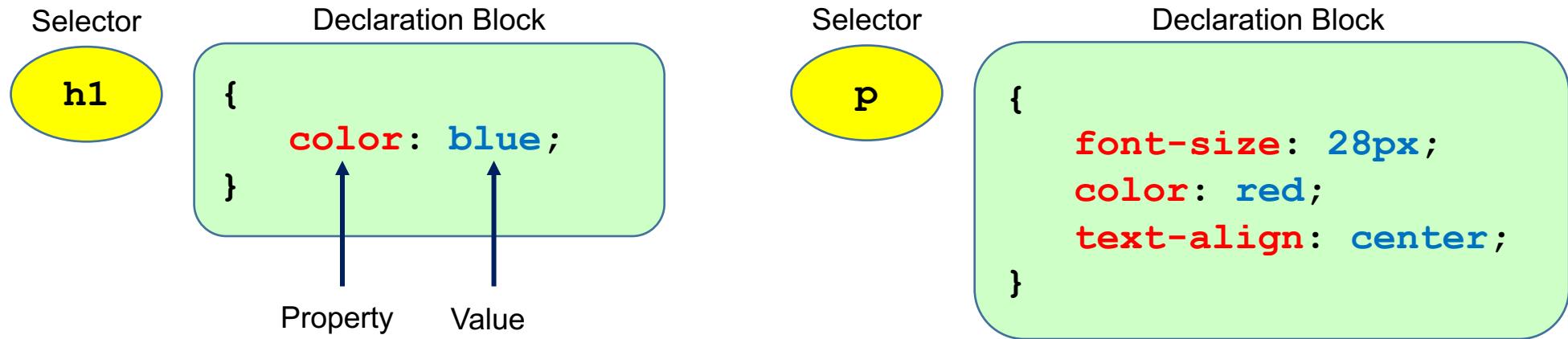
Nobody styled me so I look ugly



Tell me, how am I supposed  
to live without you?

*Without **CSS** or any styling  
applied to it, the above  
HTML webpage simply  
displays the content  
(heading-1 and paragraph)*

# CSS Syntax



A **declaration block** can contain **multiple** property-value pairs, **separated by a semicolon**

```
<!DOCTYPE html>
<html>
<style>
  h1 {
    color: blue;
  }
  p {
    font-size: 28px;
    color: red;
    text-align: center;
  }
</style>

<body>
  <h1>Hello World!</h1>
  <p>I look so fine now with CSS styling</p>
</body>
</html>
```

*This is an example of internal CSS.*

# Hello World!

I look so fine now with CSS styling

# Before we start...

- We're not doing any **server-side web programming** in this lesson.
  - Hence, you do NOT have to start **WAMP/MAMP**.
  - You can simply open **HTML** files directly from your web browser.
- However, *later on*, we WILL need a **web server** for **HTTP request/response** processing.
  - We suggest that you organize your **web files/directories** under the **webroot** (as you did in **IS113**).
  - We suggest that you access **webpages** from **web browser** via **URL** (e.g. `http://localhost/abc/xyz.html`)
- Open **Slack** & leave it open (**teaching team** will post messages regularly)
  - <https://is216-oppa.slack.com>

# Get the Lab Resource Files

- Go to **eLearn** -> **Content** -> **Session X** -> (Lab Exercises in **zip files**)
- E.g. Unzip the **zip file** – it contains the following directories/files:

```
|-- session7
  |
  |-- exercise71
  |   |-- images (2 JPG files)
  |   |-- hello.html
  |   |-- haha.html
  |-- exercise72
  |   |-- inline
  |       |-- images
  |       |-- justin.html
  |   |-- internal
  |       |-- images
  |       |-- selena.html
```

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# Questions? Need Help?

Join us in Slack

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<https://is216-oppa.slack.com>

*Thank You!*

