

OIM3690 - Web Technologies



External and Inline Styles

Three ways to insert styles

- Internal CSS - We used this in previous classes
- Inline CSS
 - used to apply a unique style for a single element
 - we need to add the `style` attribute to the relevant element
- External CSS
 - in a separate `.css` file

Inline Styles

- Syntax:

```
<tagname style="attribute: value; attribute: value; ...">
```

- Example:

```
<p style="font-size:small; color:blue">...</p>
```

Pros and Cons of using Inline Styles

- Pros:
 - It puts style near the element it modifies
 - It avoids creating `id`
- Cons:
 - All styles are no longer in one place.
 - Not a good alternative when same style is used multiple times
 - should use `class` instead
 - Harder to manipulate with JavaScript
 - More [discussion](#)
- We should *avoid* using inline styles

Exercise: *ex07-1.html*

- Download *ex07-1.html* from GitHub (resources/templates)
- View the page in web browser
- Use **inline style** on one of the paragraphs:
 - Add a background color
 - Change font-size to **18pt**
 - It should override the **internal** style for the paragraph which was **12pt** .
- Update *sitemap.html* and *commit/push* to GitHub.

External Styles

- Same syntax as that of internal CSS
- Styles appear in separate file
 - `<style>` is not needed
 - file extension is `.css`
- Why use external CSS?
 - It keeps website design and content separate.
 - It assures consistency across website.
 - It is easier to change look and feel of website.

Applying External CSS

- Insert one or more `<link>` tags into the `<head>` section:

```
<head>
  <link rel="stylesheet" href="xxx.css" />
</head>
```

- `xxx` is the filename/path of the external stylesheet
- If multiple external style sheets are used, later `<link>` tags override and add to earlier `<link>` tags
- See demos
 - *lec07-demo-2.html* with different `.css` files

Exercise: *ex07-2.html*

- Download *ex07-2.html* from GitHub (resources/templates)
- View the page in web browser
- Create an external style sheet, *ex07.css*, under *styles* folder
 - cut the styles from internal style (in *ex07-2.html*) and paste them into *ex07.css*
 - add `<link>` to `head` of *ex07-2.html*
 - view the page again - its appearance should not have changed.
- Modify the external CSS file, *ex07.css*, by adding
 - one `id`
 - one `class`
 - one **advanced** CSS selector
- View the page again. Update *sitemap.html* and *commit/push* to GitHub.

Questions?

