

# 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 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
- We should *avoid* using inline styles

## Exercise: *ex07-1.html*

- Download *ex07-1.html* from GitHub (resources/templates)
- View the page in web browser
- Add a background color to one of the paragraphs using inline style
- Notice `12pt` font-size style for `<p>` in internal style sheet
- Override this for one of the paragraphs using inline style so that the paragraph appears in `18pt` font
- View it again to make sure it works. [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" type="text/css" href="xxx.css" />  
</head>
```

- `xxx` is the filename of the external stylesheet
  - `type="text/css"` is not required for HTML5
- 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
- Edit the file to remove the styles from the internal CSS and place them into an external style sheet stored under *styles* folder
- add `<link>` tag to *ex07-2.html*
- View the page again. Its appearance should not have changed.
- Modify the external CSS file by adding
  - one `id`
  - one `class`
  - one advanced CSS selector
- View the page again. **Commit/push** to GitHub.

# Questions?

