# MIS3690 - 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

# In-class 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.

# 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:

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

  - *xxx* is the filename 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

# In-class 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?