

Welcome to CS1315 Intro to Media Computation

“Our greatest weakness lies in giving up.
The most certain way to succeed
is always to try just one more time.”

– Thomas Edison

Day 34

Linking an html and css file

- Each HTML page must include a reference to the external style sheet file inside the <link> element, inside the head section.

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

Linking an html and css file – adding external

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="mystyle.css">
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

```
/* mystyle.css */
body {
    background-color: lightblue;
}
h1 {
    color: navy;
    margin-left: 20px;
}
```

This is a heading

This is a paragraph.

Navigation to external pages

1. Add <nav> structure to each of your html documents

```
<body>
  <nav>
    <ul>
      <li><a href="index.html">Home</a></li>
      <li><a href="about.html">About</a></li>
      <li><a href="services.html">Services</a></li>
      <li><a href="contact.html">Contact</a></li>
    </ul>
  </nav>
  <section>
    <h1>Welcome to My Web Page</h1>
    <p>This is the home page.</p>
  </section>
</body>
```

Navigation to external pages

2. Style the navigation; use the same `styles.css` file to style the navigation across all pages

```
nav { background-color: #333;
      color: #fff;
      padding: 10px;
      list-style-type: none;
      margin: 0;
      padding: 0;
      display: flex;}

nav ul li { margin-right: 20px;}

nav ul li a { color: #fff; text-decoration: none;}

nav ul li a:hover { text-decoration: underline;}

section { padding: 20px;}
```

Navigation to external pages

3. Link the CSS file: Ensure the CSS file is linked in the HTML <head> section of each page

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My HTML Project</title>
  <link rel="stylesheet" href="mystyle.css">
</head>
<body>
```

4. Test your navigation:
 - a. Open each HTML file (`index.html`, `about.html`, etc...) in a web browser to see the navigation in action. Clicking on the links should navigate to the respective pages.

GitHub Pages - deploy your site to the web

1. Create a GitHub Repository:
 - a. Sign in to GitHub and click the "+" icon in the top-right corner.
 - b. Select "New repository."
 - c. Name your repository (e.g., my-website or <your-username>.github.io for a user site).
 - d. Choose whether to make it public or private.
 - e. Click "Create repository."

GitHub Pages - deploy your site to the web

2. Prepare Your Website Files:

- a. Ensure you have an index.html file, as GitHub Pages serves your site starting from this file.
- b. Include any CSS, JavaScript, images, and additional HTML files that make up your website.

GitHub Pages - deploy your site to the web

3. Upload Your Files to GitHub: Using GitHub Interface:
 - a. Go to your repository on GitHub.
 - b. Click on "Add file" and select "Upload files."
 - c. Drag and drop your website files or select them manually.
 - d. Add a commit message like "Add website files" and click "Commit changes."

GitHub Pages - deploy your site to the web

4. Enable GitHub Pages:
 - a. Go to the "Settings" tab of your repository.
 - b. Scroll down to "Pages" (typically located in the left sidebar under "Code and automation").
 - c. Select the branch you want to use as the source (e.g., main).
 - d. Click "Save."

Your website should now be live at
`https://<username>.github.io/`

Time toProgram

from CANVAS Files-Class Notes-day31_HTML Select and download the files:

nav.html, nav.css

To YOUR folder: **day31_html**

•After Class:

- Complete your Homework (Due Thursday, 4/17/25)
- Study for Quiz 7 on Friday, 4/18/25 (In class)
- Complete your Coding Miniquiz (Due Sunday, 4/20/25 @11:59 PM)
- Read the textbook
- Course Extra Credit: Codingbat ([Extra Credit Opportunity Announcement](#))
- Practice Python: W3schools, Real Python, Codecademy