HTML basics-2

Hyperlinks

- Tag is \<a> and attribute is href

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Page 1</title>
</head>
<body>
    <h1>Welcome to Page 1</h1>
    <p>This is the first page.</p>
    <a href="page2.html">Go to Page 2</a>
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Page 2</title>
</head>
<body>
    <h1>Welcome to Page 2</h1>
    <p>This is the second page.</p>
    <a href="index.html">Go back to Page 1</a>
</body>
</html>
```

Hyperlinks

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Hyperlink Example</title>
</head>
<body>
    <h1>Visit Google's Website</h1>

    <p>Click the link below to visit the <a
href="https://www.google.com">google</a> website:</p>

    <p>Alternatively, you can <a href="contact.html">contact us</a> for
more information.</p>

<a href="file:///C:/example/index.html">

<a href="mailto:person@example.com">Get in touch</a>

</body>
</html>
```

Hyperlinks

- Absolute URL: `<a href="http://example.com/test.html">test</a>`
- Relative URL: `<a href="page2.html">test</a>`
- mywebsite
  ```
  ├── index.html
  ├── family.html
          └── hobbies
          ├── football.html
          └── geocaching.html
  ```

Hyperlinks

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Relative Addressing with Folders</title>
</head>
<body>
    <h1>Website Navigation</h1>

    <p>Click the links below to navigate through the website:</p>

    <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="about/about.html">About Us</a></li>
        <li><a href="services/services.html">Services</a></li>
        <li><a href="contact/contact.html">Contact Us</a></li>
    </ul>
</body>
</html>
```

Hyperlinks

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Relative Addressing with Folders</title>
</head>
<body>
    <h1>Website Navigation</h1>

    <p>Click the links below to navigate to home:</p>

    <ul>
        <li><a href="../index.html">Home</a></li>
    </ul>
</body>
</html>
```

- ".." refers to the directory that is one level up from

Section link

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Internal Link Example</title>
</head>
<body>
    <h1>Internal Link Example</h1>

    <p>Click the links below to jump to specific sections of this page:</p>

    <ul>
        <li><a href="#section1">Section 1</a></li>
        <li><a href="#section2">Section 2</a></li>
        <li><a href="#section3">Section 3</a></li>
    </ul>

    <h2 id="section1">Section 1</h2>
    <p>This is the content of Section 1.</p>

    <h2 id="section2">Section 2</h2>
    <p>This is the content of Section 2.</p>

    <h2 id="section3">Section 3</h2>
    <p>This is the content of Section 3.</p>
</body>
</html>
```

Section link

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Internal Link Example</title>
</head>
<body>
    <h1>Internal Link Example</h1>

    <p>Click the links below to jump to specific sections of this page:</p>

    <ul>
        <li><a href="#section1">Section 1</a></li>
        <li><a href="#section3">Section 3</a></li>
    </ul>

    <h2 id="section1">Section 1</h2>
    <p>This is the content of Section 1.</p>

    <h2 id="section3">Section 3</h2>
    <p>This is the content of Section 3.</p>
    <a href="https://www.siue.edu/"><img src="siue.jpg" alt="Link to AKC using an image of a dog." width="300"></a>
</body>
</html>
```

Section link

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Internal Link Example</title>
</head>
<body>
    <h1>Internal Link Example</h1>

    <p>Click the links below to jump to specific sections of this page:</p>

    <ul>
        <li><a href="#section1">Section 1</a></li>
        <li><a href="#section3">Section 3</a></li>
    </ul>

    <h2 id="section1">Section 1</h2>
    <p>This is the content of Section 1.</p>

    <h2 id="section3">Section 3</h2>
    <p>This is the content of Section 3.</p>
    <a href="https://www.siue.edu/" target="_blank"
><img src="siue.jpg" alt="Link to AKC using an image of a dog." width="300"></a>
</body>
</html>
```

- target="_self"

Images

- <img> tab no end tag
- Two mandatory attributes src and alt
- Image is in the same folder as the html file
- Width attribute (auto scale height)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Image Example</title>
</head>
<body>
    <h1>Beautiful Landscape</h1>
    <p>Check out this beautiful landscape:</p>
    <img src="landscape.jpg" alt="Beautiful Landscape">
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Image Example</title>
</head>
<body>
    <h1>Beautiful Landscape</h1>
    <p>Check out this beautiful landscape:</p>
    <img src="landscape.jpg" alt="Beautiful
Landscape",width="300">
</body>
</html>
```

Images

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Internal Link Example</title>
</head>
<body bgcolor="orange">
  <p>Click the links below to jump to specific sections of this page:</p>

  <ul>
    <li><a href="#section3">Section 3</a></li>
  </ul>
  <h2 id="section1">Section 1</h2>
  <p>This is the content of Section 1.</p>
  <h2 id="section3">Section 3</h2>
  <p>This is the content of Section 3.</p>
  <img src="png_image.png" alt="png_image" width="300">
</body>
</html>
```

Images

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Internal Link Example</title>
</head>
<body bgcolor="orange">
  <p>Click the links below to jump to specific sections of this page:</p>

  <ul>
    <li><a href="#section3">Section 3</a></li>
  </ul>
  <h2 id="section1">Section 1</h2>
  <p>This is the content of Section 1.</p>
  <h2 id="section3">Section 3</h2>
  <p>This is the content of Section 3.</p>
  <img src="twoglass.gif" alt="png_image" width="300">
</body>
</html>
```

Favicon images

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Internal Link Example</title>
  <link rel="icon" href="favicon.png">
</head>
<body bgcolor="orange">
  <p>Click the links below to jump to specific sections of this page:</p>

  <ul>
    <li><a href="#section3">Section 3</a></li>
  </ul>
  <h2 id="section1">Section 1</h2>
  <p>This is the content of Section 1.</p>
  <h2 id="section3">Section 3</h2>
  <p>This is the content of Section 3.</p>
  <img src="twoglass.gif" alt="png_image" width="300">
</body>
</html>
```

Favicon images (gif)

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Internal Link Example</title>
  <link rel="icon" href="twoglass.gif">
</head>
<body bgcolor="orange">
  <p>Click the links below to jump to specific sections of this page:</p>

  <ul>
    <li><a href="#section3">Section 3</a></li>
  </ul>
  <h2 id="section1">Section 1</h2>
  <p>This is the content of Section 1.</p>
  <h2 id="section3">Section 3</h2>
  <p>This is the content of Section 3.</p>
  <img src="twoglass.gif" alt="png_image" width="300">
</body>
</html>
```

Emoji

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Internal Link Example</title>
</head>
<body>
  <h1>Internal Link Example</h1>
  <p>Click the links below to jump to specific sections of this page:</p>

  <ul>
    <li><a href="#section1">Section 1</a></li>
  </ul>

  <h2 id="section1">Section 1</h2>
  <p>This is the content of Section 1 &#128512</p>
</body>
</html>
```

- https://dev.to/rodrigo odhin/list-of-emojis-hex-codes-35ma

- `†`

Other tags

- The <main> tag defines the main content of the page
- The <footer> tag defines the footer of the page. It typically contains copyright information, contact information, and other miscellaneous information
- the <main> and <footer> tags helps in styling these sections independently
- Help in CSS

```
<!DOCTYPE html>
<html>
<head>
 <title>HTML Program Using <main>
and <footer> Tags</title>
</head>
<body>
 <main>
  <h1>This is the main content of the
page</h1>
  <p>This is some text in the main
content.</p>
 </main>
 <footer>
  <p>This is the footer of the page.</p>
  <p>Copyright © 2023 Bard</p>
 </footer>
</body>
</html>
```

HTML tags

- two <div> tags with the IDs "first-div" and "second-div"
- The id attribute is used to uniquely identify an HTML element
- We can use the id attribute to style the <div> tags using CSS, or to interact with them using JavaScript

```
<!DOCTYPE html>
<html>
<head>
 <title>HTML Program Demonstrating Two <div> Tags
with Different Names</title>
</head>
<body>
 <div id="first-div">
  <h1>This is the first div</h1>
  <p>This is some text inside the first div.</p>
 </div>
 <div id="second-div">
  <h1>This is the second div</h1>
  <p>This is some text inside the second div.</p>
 </div>
</body>
</html>
```

HTML tags

- The <span> tag in HTML is a generic inline container element
- The <div> element is a generic element for creating block containers
- The <span> tag is often used to style a specific part of a text, such as changing its font, color, or size
- It is easy to style using CSS

```
<p>This is a paragraph with <span style="color: red;">red text</span>.</p>
```

```
<p>This is a paragraph with <span id="my-span">my span</span>.</p>
```