Links and Navigation In Html

Hyperlinks (Links):

A hyperlink, commonly referred to as a link, is an element that allows you to navigate from one web page to another or to different sections within the same page.

Basic Link Structure:

```html
<a href="destination_url">Link Text</a>
```

- `<a>`: The anchor element, used to create a hyperlink.
- `href`: Attribute specifying the destination URL. It can be an absolute URL (http://example.com) or a relative URL (page.html).
- **Link Text:** The visible text that users click on.

Example:

```html
<a href="https://www.example.com">Visit Example.com</a>
```

Relative and Absolute URLs:

- **Relative URL:** Specifies the path to the linked document relative to the current page.

```html
<a href="subfolder/page.html">Relative Link</a>
```

- **Absolute URL:** Specifies the complete web address, including the protocol (http/https).

```html
<a href="https://www.example.com">Absolute Link</a>
```

Linking to Sections on the Same Page:

- Use the `#` symbol followed by the `id` of the target element.

```html
<a href="section1">Jump to Section 1</a>
<!-- ... -->
```

```html
    <h2 id="section1">Section 1</h2>
```

Opening Links in a New Tab/Window:
- Use the `target` attribute with the value **"_blank".**

```html
<a href="https://www.example.com" target="_blank">Open in New Tab</a>
```

Navigation Lists:
- Lists (`<ul>`, `<ol>`, `<li>`) can be used for navigation menus.

```html
<ul>
        <li><a href="home.html">Home</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="contact.html">Contact</a></li>
    </ul>
```

Image Links:
- You can use images as links by wrapping the `<img>` tag inside the `<a>` tag.

```html
<a href="product.html">
        <img src="product.jpg" alt="Product Image">
    </a>
```

Linking to Email Addresses:
- Use the `mailto:` scheme for email links.

```html
    <a href="mailto:info@example.com">Send Email</a>
```

Linking to Files (PDF, Word, etc.):
- Linking to files is similar to linking to other web pages.

```html
    <a href="documents/document.pdf">Download PDF</a>
```

Additional Attributes:
- `title`: Provides additional information about the link (displayed as a tooltip).

```html
<a href="page.html" title="Go to Page">Link Text</a>
```

These are the basic concepts of creating links and navigation in HTML. By combining these elements and attributes, you can build effective and user-friendly navigation systems for your web pages.