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# Hyperlinks

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## Overview

Hyperlinks are used to navigate within Web pages; both *internally* to pages within the site's domain, and *externally* to outside sources.

Irrespective of whether a link navigates internally or externally, the syntax for adding a hyperlink to a page is similar:

```
<!-- Navigates within the website e.g. Link to homepage. -->
<a href="/home">Home page</a>
<!-- Links to an external website e.g. www.google.com -->
<a href="https://www.google.com">Google homepage</a>
```

Hyperlinks can nest other elements, such as images. Website logos commonly navigate to the site's homepage:

```
<a href="/home.html">
  
</a>
```

## Targeting

The **target** attribute allows us to open a hyperlink with certain conditions applied:

Type	Function
<b>_blank</b>	Opens a new blank window, or new tab in a tabbed browser.
<b>_parent</b>	Opens the immediate parent of the document the link is in.
<b>_self</b>	Opens the link in the same window/tab the link was clicked in.
<b>_top</b>	Opens the link in the topmost frame of a window. Commonly used if the link is in an <b>iframe</b> .

```
<a href="home.html" target="_parent">...</a>
<a href="home.html" target="_top" >...</a>
<a href="home.html" target="_blank" >...</a>
<a href="home.html" target="_self" >...</a>
```

## Mailto

**Mailto:** links use emailing URLs. When clicked, the link will open a new email inside the user's email client to whichever URL is specified within the **href** attribute. The **mailto** URL uses query parameters, so we can set the **subject** and **body** of the email:

Advanced Testing (Theory)
Cucumber
MongoDB
Express
NodeJS
React
Express-Testing
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```
<a href="mailto:some.one@qa.com?subject=Hello Instructor&body=Just dropping a line to say hello">Contact Instructor</a>
```

## Tutorial

There is no tutorial for this module.

## Exercises

Create a hyperlink that, when clicked, navigates you to a new HTML page. The first page is called `index.html` and the second page is called `about.html`.

Note: ensure that both files are in the same directory!

- Feel free to customise through the use of headings, tables, paragraphs, etc.
- You should be able to navigate to `about.html` from `index.html`.
- You should be able to navigate to `index.html` from `about.html`.

▼ Solution

`index.html`

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Index page</title>
</head>
<body>
  <h1>I am page 1</h1>
  <a href="html2.html">Click to go another page</a>
</body>
</html>
```

`about.html`

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h1>I am page 2</h1>
  <a href="html1.html">Click to go back a page</a>
</body>
</html>
```