

03 - Introduction to HTML

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1 Objectives

1. Write simple HTML docs
2. Difference between closing and self-closing tags
3. Tags with attributes
4. Using MDN as a reference
5. Given a website, reproduce

2 Boilerplate and Comments

2.1 General Structure of Tags

`<tagName> ...some content... </tagName>`

2.2 Best Resources

- MDN - Mozilla Developer Network
- Reading assignment - MDN intro to HTML

2.3 Commenting in HTML

use `<!--` and `-->`

2.4 Boilerplate

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>IN HERE IS THE TEXT IN THE BROWSER TAB</title>
  </head>
  <body>
    </body>
</html>
```

3 Basic Tags

3.1 Frequently Used Tags

Tag	Block/In-line	Explanation
H1	Block	Header of Size 1
H2	Block	Header of Size 2
H3	Block	Header of Size 3
H4	Block	Header of Size 4
H5	Block	Header of Size 5
H6	Block	Header of Size 6
p	Block	Creates self-contained paragraph
strong	In-line	Bolds the following text
em	In-line	Italicizes the following text
img	block?	Add an image
a	In-line	Add a link. Note: be careful to specify local or http

3.2 Block vs. Inline

Block Will automatically start the element on a new line.

In-line Can be used within other tags without automatically new-lining.

4 HTML lists

4.1 Ordered List

```
<ol>
  <li>elementary school</li>
  <li>middle school</li>
  <li>high school</li>
</ol>
```

Becomes:

1. elementary school
2. middle school
3. high school

4.2 Unordered List

```
<ul>
  <li>fish</li>
  <li>cat</li>
  <li>dog</li>
```


Becomes:

- fish
- cat
- dog

5 Divs and Spans

A way to group elements for formatting purposes.

Div Group multiple elements together into a box or some other graphical entity. For example, grouping a title and paragraph into a different colored box.

Span Also a generic container but an in-line version, rather than a block level one.

6 Attributes

Adding additional information

The key-value pair

<tag name="value">...</tag>

Attr.	Explanation
src	name or URL link of image file
href	link for an <a> tag