

HTML Essentials

HTML Overview & HTML Elements



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1. What is HTML?

- **HTML** stands for **H**yper **T**ext **M**arkup **L**anguage
 - HTML describes the structure of a Web page
 - HTML consists of a series of elements
 - HTML elements tell the browser how to display the content
 - HTML elements are represented by tags

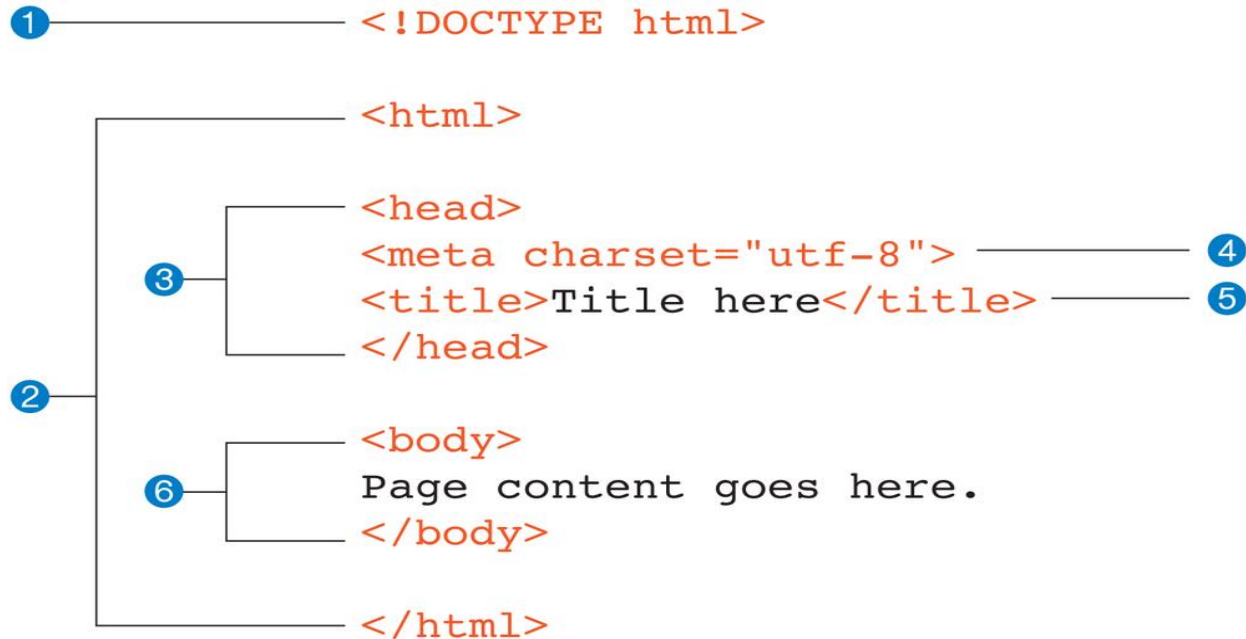
1. What is HTML?

➤ Example of a basic HTML Document

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <meta charset="utf-8">
5      <title>My test page</title>
6    </head>
7    <body>
8      
9    </body>
10 </html>
```

2. Anatomy of HTML document

➤ *Anatomy of HTML document*



3. Head & metadata

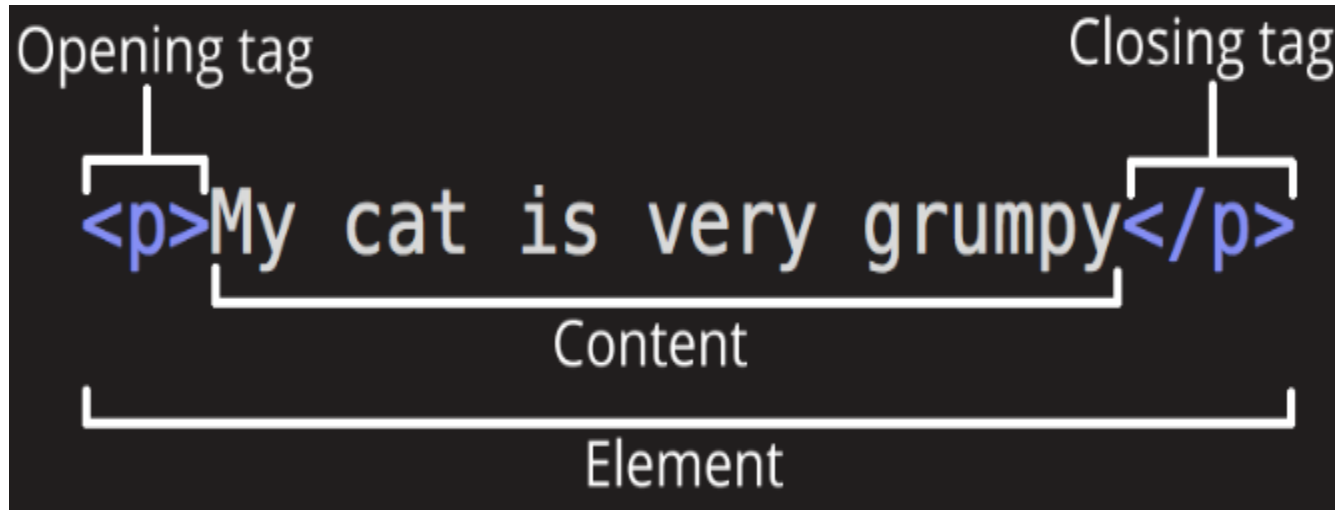
- **Head** is a container for all the stuff you want to include on the HTML page that *isn't* the content you are showing to your page's viewers
- Meta
 - Link
 - Title
 - Style
 - Script

3. Head & metadata

- **Metadata** is data about data. The **meta** tag (<meta>) is used in an HTML document to provide high level metadata about the web page, such as:
- A page description and the keywords that describe the subject of the page.
 - Page authorship information.
 - Instructions for specific browser actions.
 - Details about the page title, description, and author to be used when the page is posted on social media or shown in SERPs.

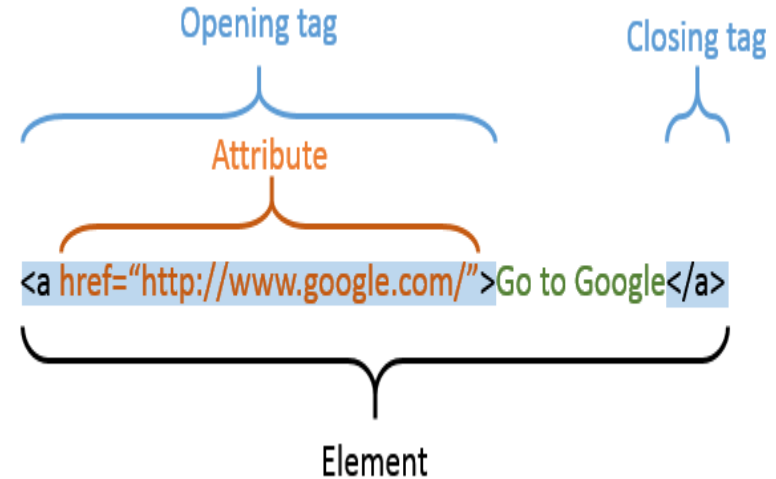
4. Anatomy of HTML Element

➤ *Anatomy of HTML Element*



5. Element attribute

- Attributes are always specified in **the start tag**
- Attributes usually come in name/value pairs like: **name="value"**



- ❑ ***Id attribute:*** Specifies a unique id for an HTML element
- ❑ ***Class attribute:*** Define equal styles for elements with the same class name.

6. Nesting elements

➤ *Nesting elements*

- HTML elements can be nested (elements can contain elements).
- All HTML documents consist of nested HTML elements

❖ **Note:** Make sure that your elements are properly nested

```
1 | <p>My cat is <strong>very</strong> grumpy.</p>
```

=> Correct

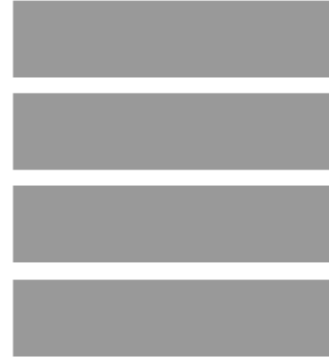
```
1 | <p>My cat is <strong>very grumpy.</p></strong>
```

=> Incorrect

7. Block & Inline

Take a look

BLOCK:



INLINE:



7. Block & Inline

➤ **Block elements:**

- Always starts on a new line and takes up the full width available (stretches out to the left and right as far as it can).
- Block elements in HTML

<code><address></code>	<code><article></code>	<code><aside></code>	<code><blockquote></code>	<code><canvas></code>	<code><dd></code>	<code><div></code>
<code><dl></code>	<code><dt></code>	<code><fieldset></code>	<code><figcaption></code>	<code><figure></code>	<code><footer></code>	<code><form></code>
<code><h1>-<h6></code>	<code><header></code>	<code><hr></code>	<code></code>	<code><main></code>	<code><nav></code>	<code><noscript></code>
<code></code>	<code><p></code>	<code><pre></code>	<code><section></code>	<code><table></code>	<code><tfoot></code>	<code></code>
<code><video></code>						

7. Block & Inline

➤ *Inline elements:*

- Does not start on a new line and only takes up as much width as necessary.
- Inline elements in HTML

<code><a></code>	<code><abbr></code>	<code><acronym></code>	<code></code>	<code><bdo></code>	<code><big></code>	<code>
</code>
<code><button></code>	<code><cite></code>	<code><code></code>	<code><dfn></code>	<code></code>	<code><i></code>	<code></code>
<code><input></code>	<code><kbd></code>	<code><label></code>	<code><map></code>	<code><object></code>	<code><output></code>	<code><q></code>
<code><samp></code>	<code><script></code>	<code><select></code>	<code><small></code>	<code></code>	<code></code>	<code><sub></code>
<code><sup></code>	<code><textarea></code>	<code><time></code>	<code><tt></code>	<code><var></code>		

8. HTML Comments

➤ **HTML comments:**

- Comment tags are used to insert comments in the HTML source code
- An HTML comment begins with `<!--` and the comment closes with `-->`

➤ You can add comments to your HTML source by using the following syntax:

```
<!-- Write your comments here -->
```

Thank you

