

# 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

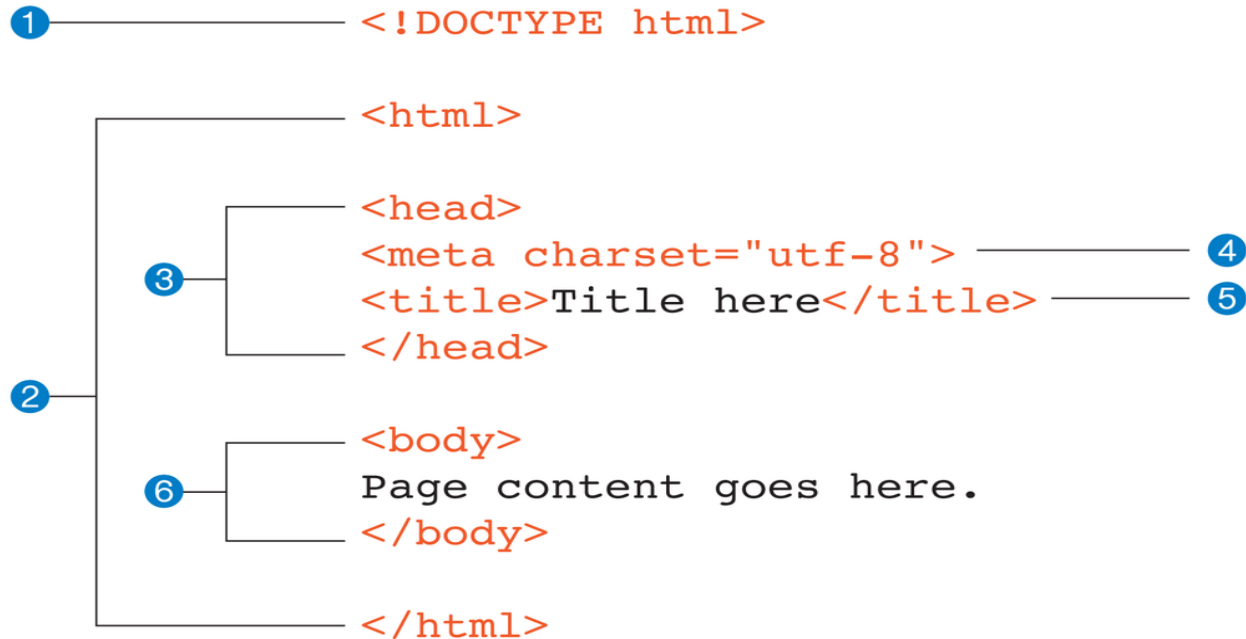
# 1. What is HTML?

## ➤ 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

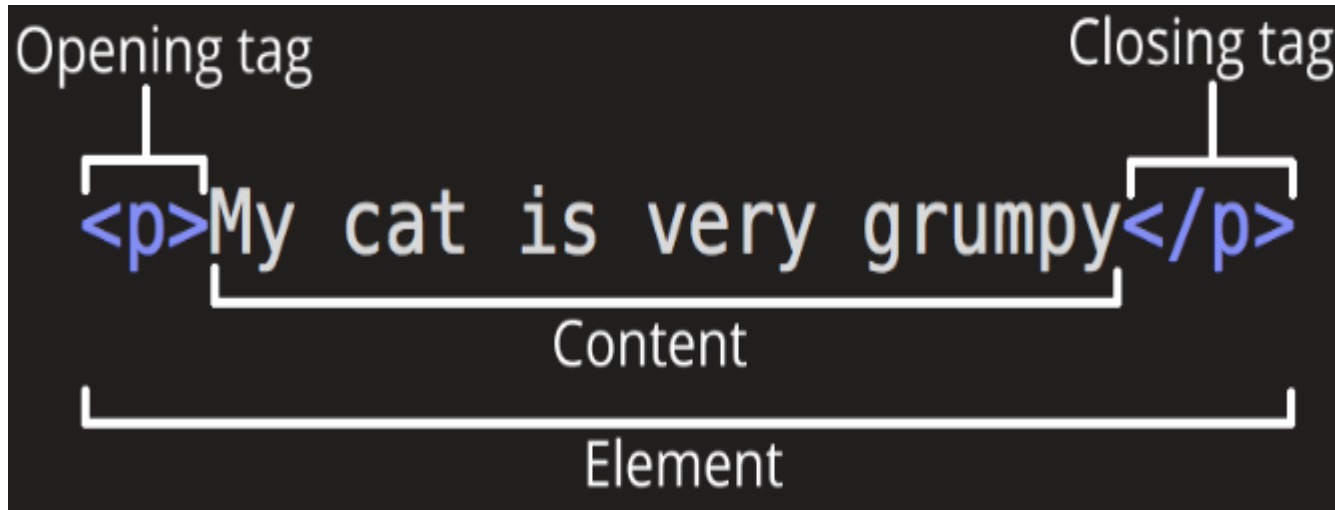
- **Head** is a container for all the stuff you want to include on the HTML page that *isn't* the content you are showing to your page's viewers
- Meta
  - Link
  - Title
  - Style
  - Script

# 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

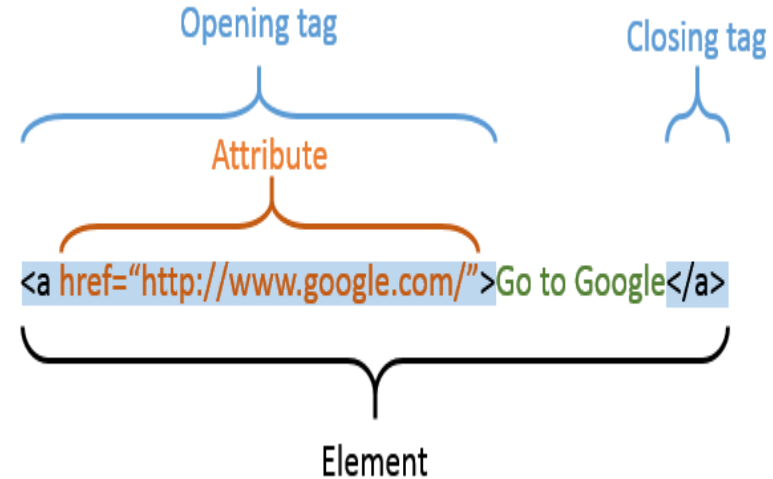
## ➤ *Anatomy of HTML Element*





# 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

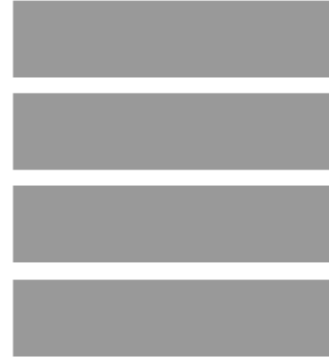
```
1 | <p>My cat is <strong>very grumpy.</p></strong>
```

=> 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>&lt;address&gt;</code>	<code>&lt;article&gt;</code>	<code>&lt;aside&gt;</code>	<code>&lt;blockquote&gt;</code>	<code>&lt;canvas&gt;</code>	<code>&lt;dd&gt;</code>	<code>&lt;div&gt;</code>
<code>&lt;dl&gt;</code>	<code>&lt;dt&gt;</code>	<code>&lt;fieldset&gt;</code>	<code>&lt;figcaption&gt;</code>	<code>&lt;figure&gt;</code>	<code>&lt;footer&gt;</code>	<code>&lt;form&gt;</code>
<code>&lt;h1&gt;-&lt;h6&gt;</code>	<code>&lt;header&gt;</code>	<code>&lt;hr&gt;</code>	<code>&lt;li&gt;</code>	<code>&lt;main&gt;</code>	<code>&lt;nav&gt;</code>	<code>&lt;noscript&gt;</code>
<code>&lt;ol&gt;</code>	<code>&lt;p&gt;</code>	<code>&lt;pre&gt;</code>	<code>&lt;section&gt;</code>	<code>&lt;table&gt;</code>	<code>&lt;tfoot&gt;</code>	<code>&lt;ul&gt;</code>
<code>&lt;video&gt;</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>&lt;a&gt;</code>	<code>&lt;abbr&gt;</code>	<code>&lt;acronym&gt;</code>	<code>&lt;b&gt;</code>	<code>&lt;bdo&gt;</code>	<code>&lt;big&gt;</code>	<code>&lt;br&gt;</code>
<code>&lt;button&gt;</code>	<code>&lt;cite&gt;</code>	<code>&lt;code&gt;</code>	<code>&lt;dfn&gt;</code>	<code>&lt;em&gt;</code>	<code>&lt;i&gt;</code>	<code>&lt;img&gt;</code>
<code>&lt;input&gt;</code>	<code>&lt;kbd&gt;</code>	<code>&lt;label&gt;</code>	<code>&lt;map&gt;</code>	<code>&lt;object&gt;</code>	<code>&lt;output&gt;</code>	<code>&lt;q&gt;</code>
<code>&lt;samp&gt;</code>	<code>&lt;script&gt;</code>	<code>&lt;select&gt;</code>	<code>&lt;small&gt;</code>	<code>&lt;span&gt;</code>	<code>&lt;strong&gt;</code>	<code>&lt;sub&gt;</code>
<code>&lt;sup&gt;</code>	<code>&lt;textarea&gt;</code>	<code>&lt;time&gt;</code>	<code>&lt;tt&gt;</code>	<code>&lt;var&gt;</code>		

# 8. HMTL 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

