

HTML and CSS

- HTML Document
- Elements
- Attribute
- DOM

HTML Document

```
1 <!DOCTYPE html>
2 <html>
3
4 <head>
5   <link rel="stylesheet" href="style.css">
6   <script src="script.js"></script>
7 </head>
8
9 <body>
10   <h1>Hello Plunker!</h1>
11 </body>
12
13 </html>
```

- <!DOCTYPE html>: Define the document to be HTML5
- <head>: contains meta information about the document
- <body>: contains the visible page content

HTML Elements

Tag	Description
<html> ... </html>	Declares the Web page to be written in HTML
<head> ... </head>	Delimits the page's head
<title> ... </title>	Defines the title (not displayed on the page)
<body> ... </body>	Delimits the page's body
<h <i>n</i> > ... </h <i>n</i> >	Delimits a level <i>n</i> heading
 ... 	Set ... in boldface
<i> ... </i>	Set ... in italics
<center> ... </center>	Center ... on the page horizontally
 ... 	Brackets an unordered (bulleted) list
 ... 	Brackets a numbered list
 ... 	Brackets an item in an ordered or numbered list
 	Forces a line break here
<p>	Starts a paragraph
<hr>	Inserts a horizontal rule
	Displays an image here
 ... 	Defines a hyperlink

Container Tag and Empty Tag

Container tag: The **container tag** always wraps around text or graphics and comes in a set with an opening and a closing tag.

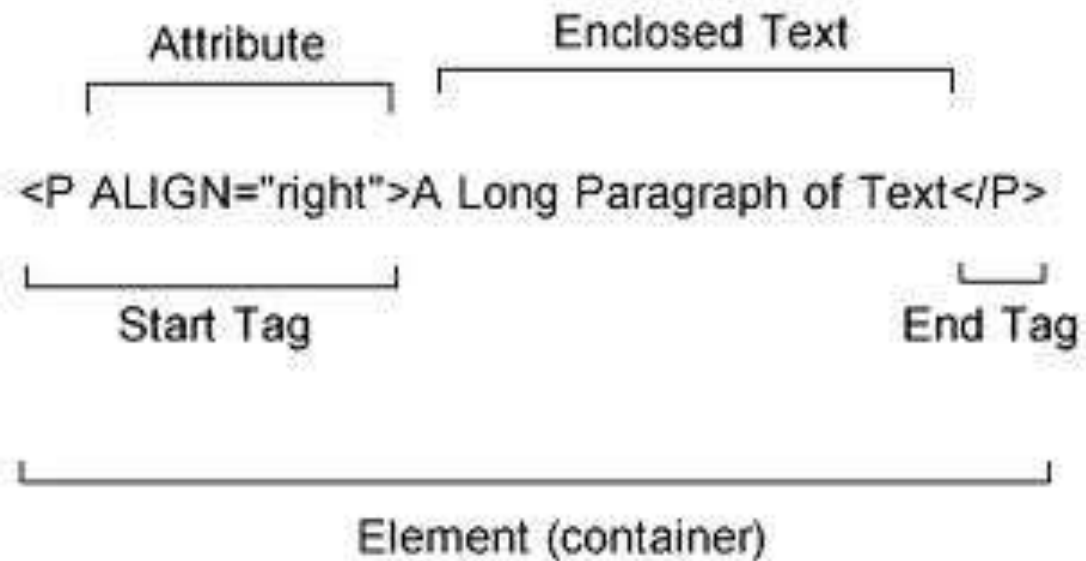
- `<head></head>`
- `<body></body>`
- `<p></p>`
- `<div></div>`

Empty tag: **Empty tags** do not have to be wrapped around text and do not require a closing.

- `
`
- `<hr>`

Attribute

- Attributes provide additional information of elements





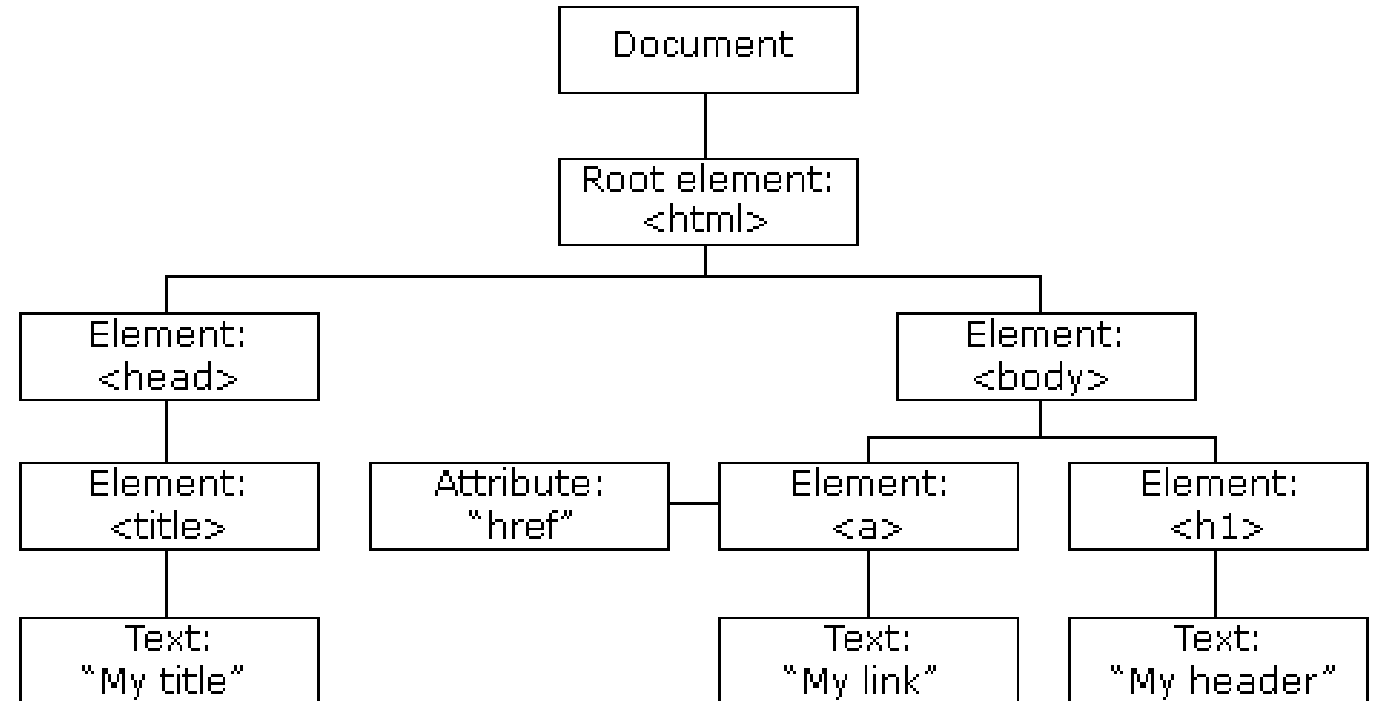
Attribute

HTML Attributes

Attribute	Description
alt	Specifies an alternative text for an image
disabled	Specifies that an input element should be disabled
href	Specifies the URL (web address) for a link
id	Specifies a unique id for an element
src	Specifies the URL (web address) for an image
style	Specifies an inline CSS style for an element
title	Specifies extra information about an element (displayed as a tool tip)
value	Specifies the value (text content) for an input element.

DOM

DOM is a platform that allows programs and scripts to dynamically access and update the content, structure, and style of a document.



Plunker

```
<!DOCTYPE html>
<html>

  <head>
    <link rel="stylesheet" href="style.css">
    <script src="script.js"></script>
  </head>

  <body>
    <p>Hello Plunker</p>
    <p style="color:red; font-size:50px; font-weight:bold">Hello Plunker!</p>
    <div><input type="text"></div>
    <br>
    <div><input type="range"></div>
    <hr>
    <div><input type="submit"></div>
  </body>

</html>
```

Hello Plunker

Hello Plunker!

Submit