



HTML INTRODUCTION

HTML IS THE STANDARD MARKUP LANGUAGE FOR CREATING WEB PAGES.

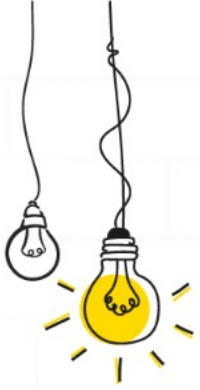




WHAT IS HTML?



- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- 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 label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

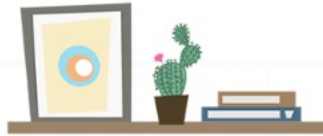


A SIMPLE HTML DOCUMENT

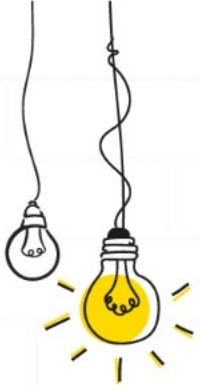


```
<!DOCTYPE html>
<html>
<head>
  <title>Page Title</title>
</head>
<body>
  <h1>My First Heading</h1>
  <p>My first paragraph.</p>
</body>
</html>
```

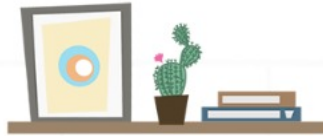
EXAMPLE EXPLAINED



- The `<!DOCTYPE html>` declaration defines that this document is an HTML5 document
- The `<html>` element is the root element of an HTML page
- The `<head>` element contains meta information about the HTML page
- The `<title>` element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)
- The `<body>` element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
- The `<h1>` element defines a large heading
- The `<p>` element defines a paragraph



HTML PAGE STRUCTURE



HTML Page Structure

Below is a visualization of an HTML page structure:

```
<html>
```

```
<head>
```

```
<title>Page title</title>
```

```
</head>
```

```
<body>
```

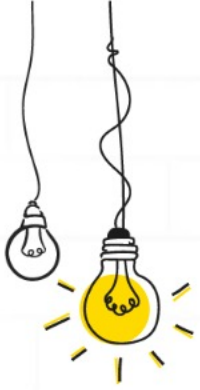
```
<h1>This is a heading</h1>
```

```
<p>This is a paragraph.</p>
```

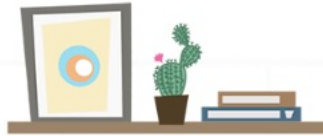
```
<p>This is another paragraph.</p>
```

```
</body>
```

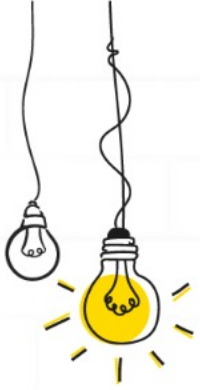
```
</html>
```



HTML ELEMENT



- An HTML element is defined by a start tag, some content, and an end tag:
- `<tagname>` Content goes here... `</tagname>`
- The `<html>` element is the root element and it defines the whole HTML document.
- Then, inside the `<html>` element there is a `<body>` element
- The `<body>` element defines the document's body.



HTML ATTRIBUTES



- HTML attributes provide additional information about HTML elements.
- All HTML elements can have **attributes**
- Attributes provide **additional information** about elements
- Attributes are always specified in **the start tag**
- Ex: **<a> href**, ** src**

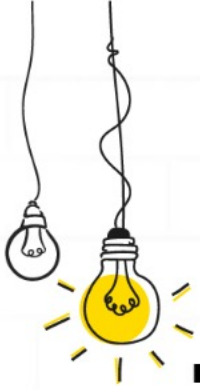


IMPORTANT TAGS AND ATTRIBUTES

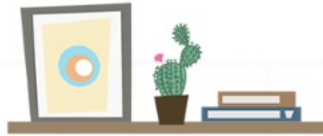


The style attribute is used to add styles to an element, such as color, font, size, and more

Tags	Attributes
html	lang
a	href, title, target
img	src, alt, title option: width, height
iframe	src, width
table	border, cellpadding, cellspacing, rowspan, colspan
input	type
link	rel, href



TAGS LIST



- **Headings** (`<h1>` to `<h6>`)
- **Paragraphs**(`<p>`)
- **Formatting** (``,``,`<i>`,``,`<mark>`,`<small>` `<sub>`,`<sup>`)
- **Quotation and Citation** (`<blockquote>`,`<q>`, `<abbr>`, `<address>`, `<cite>`, and `<bdo>`)
- **Semantic elements** (`<div>` and `` - Tells nothing about its content)
- **Non-semantic elements** (`<form>`, `<table>`, and `<article>` - Clearly defines its content.)



BLOCK-LEVEL ELEMENTS - INLINE ELEMENTS

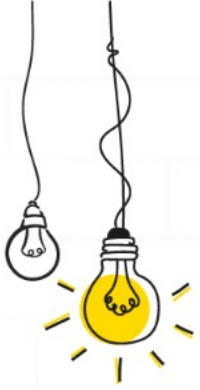


Block -level elements

1.<address> 2.<article> 3.<aside> 4.<blockquote> 5.<canvas> 6.<dd> 7.<div>
7.<dl> 8.<dt> 9.<fieldset> 10.<figcaption> 11.<figure> 12.<footer> 13.<form>
14.<h1>-<h6> 15.<header> 16.<hr> 17. 18.<main> 19.<nav> 20.<noscript>
21. 22.<p> 23.<pre> 24.<section> 25.<table> 26.<tfoot> 27. 28.<video>

Inline element

1.<a> 2.<abbr> 3.<acronym> 4. 5.<bdo> 6.<big> 7.
 8.<button> 9.<cite>
10.<code> 11.<dfn> 12. 13.<i> 14. 15.<input> 16.<kbd> 17.<label>
18.<map> 19.<object> 20.<output> 21.<q> 22.<samp> 23.<script> 24.<select>
25.<small> 26. 27. 28.<sub> 29.<sup> 30.<textarea> 31.<time>
32.<tt> 33.<var>



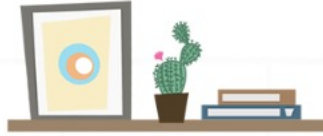
FORM



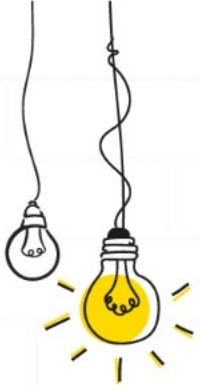
- `<input>` types
 - 1.button 2.checkbox 3.color 4.date 5.datetime-local
 - 6.email 7.file 8.hidden 9.image 10.month 11.number
 - 12.password 13.radio 14.range 15.reset 16.search
 - 17.submit 18.tel 19.text 20.time 21.url 22.week
- `<select>`
 - 1.optiongroup
 - option
 - 2.option



IMPORTANT TECHNOLOGIES



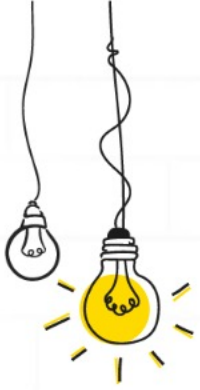
- 1. Flex
- 2. Grid
- 3. Seo
- 4. Accessibility



IMPORTANT TAGS



- 1. <html>
 2. <head>
 3. <Body>
 4. <div>
 5.
 6.
 7. <p>
 8.
 9. <form><input>
 10. <form><button>
 11. <table>
 12. <svg>
 13. <iframe>
 14. <a>
 15. <link>
 16. <script>



IMPORTANT ATTRIBUTES



1. #id (All tags)
2. .class (All tags)
3. style (All tags)
4. href (<a>, <link>)
5. src (, <iframe>)
6. title (All tags)
7. type (<input>)
8. cellpadding, cellspacing, border(<table>)
9. width and height (All box element , , <iframe>)