



Gaming Geeks



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WEB GAME DEV BOOTCAMP

24th February – 3rd March

Don't Limit yourself to Playing
SIMPLY LEARN AND CREATE ONE





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DAY - 1

HTML



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1.

Introduction

Basics of HTML



What is HTML?

It is a markup language that tells web browsers how to structure the web pages you visit

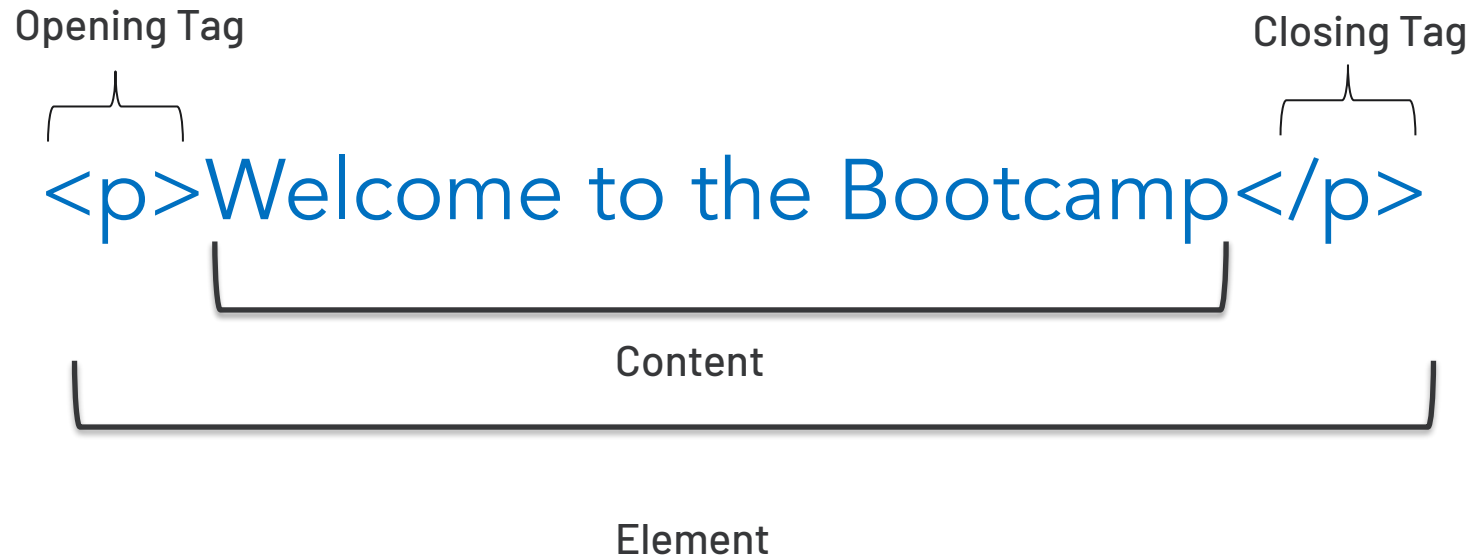


HTML : HyperText Markup Language

- HyperText: refers to links that connect web pages to one another
- Markup: Tells the Browser How to display content.

HTML uses "markup" to annotate text, images, and other content for display in a Web browser.

Anatomy of an HTML Element





IS HTML A PROGRAMMING LANGUAGE?



Where to Write HTML?

- On Windows,
 - You can write it in Notepad.
- On MAC,
 - You can write it in TextEdit.

Just remember while saving make sure to save it as .html file.



Getting Started with HTML



THE BASICS: HEADINGS AND PARAGRAPHS

Most structured text consists of headings and paragraphs, whether you are reading a story, a newspaper, a college textbook, a magazine, etc.





Structure of an HTML Document



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Document</title>
</head>
<body>

</body>
</html>
```



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What's in the head?

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
    initial-scale=1.0">
  <title>Document</title>
</head>
```

#Comments In HTML?

Comments are not displayed in the browser, but they can help you document your HTML source code.

Syntax:

```
<!-- comment -->
```



HTML Text Elements

- `<p>` Paragraph
- `<hr>` Horizontal Rule
- `
` Line Break
- `<h1>-<h6>` Heading
- `,` Ordered and Unordered List
- `` List Item

TEXT FORMATTERS



- `` Bold
- `` Strong tag(strong importance)
- `` Emphasize
- `<i>` Italic



3.

LINKS AND IMAGE TAGS IN HTML



Anatomy of a link

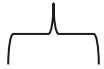


A basic link is created by wrapping the text or other content, see Block level links, inside an `<a>` element and using the href attribute, also known as a Hypertext Reference, or target, that contains the web address.



Links in HTML

Opening Tag



Closing Tag



```
<a href="https://gaminggeeks.online">Gaming Geeks</a>
```

- `<a>` tag defines a hyperlink
- `href` attribute, which indicates the link's destination
- `Gaming Geeks` text is the part that will be visible to the reader.

Image Tags



The HTML `` tag is used to embed an image in a web page.

Image Tags in HTML

```

```

- `` tag is empty, it contains attributes only, and does not have a closing tag.
- `src` - Specifies the path to the image
- `alt` - Specifies an alternate text for the image





”

• FORMS

- **Label:** To specify what info user needs to enter.
- **Input Tag:** Blank space for user to enter text.
- **Button:** Button to submit the form.





DIV TAG

- It is used to divide the webpage into different sections.
- Basically it is used to apply different CSS effects to different parts of the webpage.
- It is a Block Element.



SPAN TAG

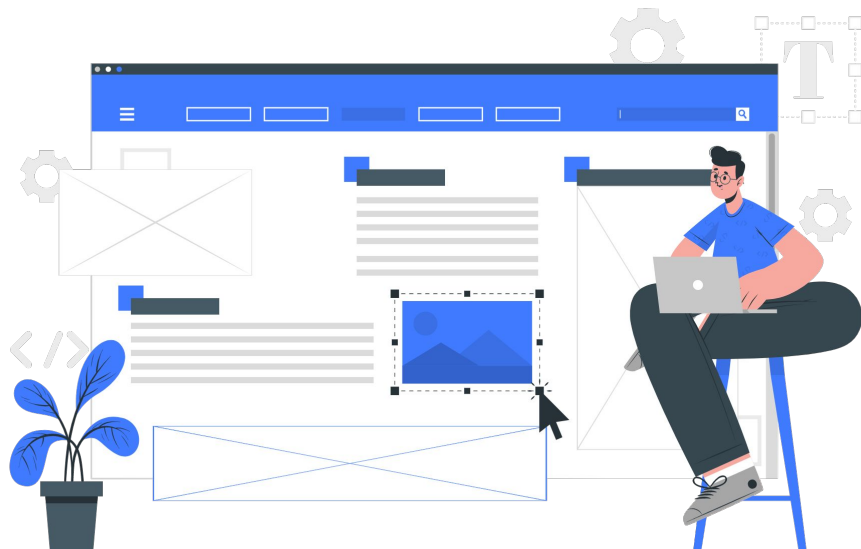
- It can be used to group elements for styling and scripting purposes i.e. it can easily be styled by CSS or manipulated with JavaScript using the class or id attribute.
- It is an inline element.

SEMANTICS

A Semantic element clearly describes its meaning to the browser and the developer.

Eg -<form>, <table> and <article>

In programming, Semantics offer a meaning to a line of code.



SOME SEMANTICS ELEMENTS

- **Header:** Introductory content of the document.
- **Nav:** Defines a set of navigation links.
- **Aside:** Defines a section aside in a document like a sidebar.
- **Article:** Specifies independent self-contained content.
- **Section:** Defines a section in a document.
- **Footer:** Footer of the document.



WHICH WOULD YOU CHOOSE?

```
<header></header>
<section>
  <article>
    <figure>
      <img>
      <figcaption></figcaption>
    </figure>
  </article>
</section>
<footer></footer>
```

```
<div id="header"></div>
<div class="section">
  <div class="article">
    <div class="figure">
      <img>
      <div class="figcaption"></div>
    </div>
  </div>
</div>
<div id="footer"></div>
```



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HANK YOU. **THANK YOU.** THANK YOU
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.THANK YOU. **THANK YOU.** THANK YOU