

HTML Master Tutorial - By Hanan Malik

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Chapter 1: Getting Started

In this chapter, we will learn about the basic structure of HTML...

```
<!DOCTYPE html>
<html>...</html>
From <!DOCTYPE html> to </html>
```

Installing A Code Editor

You can install any code editor you like, here i like to install sublime text 4, because it is like a feather and have too many features.

you can install Sublime text from here

[Sublime Text/Download](#)

Chapter: 2- What is HTML

HTML (Hypertext Markup Language) is the standard language used to create webpages. It tells the web browser what content to show (text, images, buttons, videos, etc.) and how the content is structured. **HTML** is like the skeleton of a Website. Without it the website can't be stand. If our HTML is not written then for what we write CSS and JavaScript.

Chapter: 3- HTML Tags

Think of HTML tags as the DNA of a webpage. They are the hidden instructions that tell a web browser how to display content—whether something should be a bold heading, a clickable link, or a simple paragraph.

Some **HTML Tags** = Heading Tag - `<h1>` to `<h6>`. in headings `<h1>` is biggest and `<h6>` is smallest

of all headings. **Other Tags** `<p>` `</p>` paragraph tag is used to write a para. `
` tag is used

to give a line break **The Horizontal Ruler Tag**

The horizontal ruler tag, `<hr>` is an **HTML** element used to insert a thematic break or horizontal line on a web page. It serves to visually separate content or sections, providing a clear distinction. And `<hr>` also `
` is an empty tag. Now what is an **Empty Tag**?

Empty Tags

They are elements or tags that didn't have a closing tag or that cannot have any child nodes.

Some Common Empty Tags ↓

`
` tag gives a line break 'It is empty but not that!'

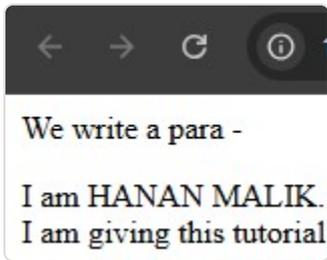
If we write this

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <body>
9      We write a para - <p>I am HANAN MALIK. <br>I am giving this tutorial</p>
10 </body>
11 </html>

```

The Output =



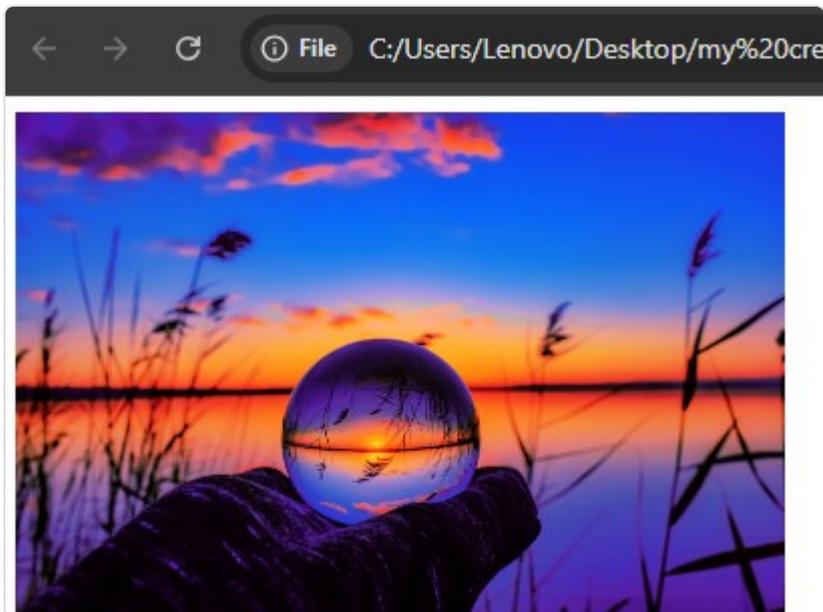
 Tag

The Tag is also an empty tag, used to embed any image.

Example

```
9 
```

Output



<input> Tag

Creates an input field for forms

```
9 <input type="text">
```

Then Output



<meta> Tag

Contains or Provides metadata about document

```
4 <meta charset="UTF-8">
```

<link>

Helps to link external document. Like stylesheets etc.

```
7 <link rel="stylesheet" href="style.css">
```

Bold *Italic* underline tags are used to Highlight a text

```
9 <b>Bold</b>
10 <i>Italic</i>
11 <u>Underline</u>
```

Bold *Italic* Underline

HTML TAGS

We read Empty Tags, Now we have to learn HTML tags that have a closing tags(Normal Tags)

Big and Small Tag: Using <big> and <small> tag we can make text bit larger and bit smaller

Subscript & Superscript Using <sub> we can write subscript and using <sup> we can write superscript

```
this text is <sub>subscript</sub>
this text is <sup>superscript</sup>
```

It look like this

this text is _{subscript} this text is ^{superscript}

Pre tag: We learnt that HTML ignores whitespaces and new lines what if we have to write with those spaces

We use **Pre Tag** Pre tag is used to write text as it is in code

```
<pre>
  This
  is
  pre
  tag
</pre>
```

like this

```
This
is
pre
tag
```

Chapter: 4- HTML Structure

Structure for every HTML Document

For writing any HTML document we mostly use HTML5 Boilerplate

```

1  <!DOCTYPE html>           <!-- tells this is a HTML5 document. -->
2
3  <html lang="en"> <!-- tells browser this page is in English language and <html is the root -->
4
5  <head> <!-- metadata inside this tag -->
6      <title>Document</title> <!-- title of the page -->
7
8
9  </head>
10 <body> <!-- main body that is showed on page -->
11     <p>Hey i am Hanan</p> <!-- this is a paragraph -->
12
13
14 </body> <!-- closing tag of body here body ends -->
15
16 </html> <!-- end of the document. -->

```

Creating a Webpage

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Webpage - HTML</title>
7  </head>
8  <body>
9      <h1>This is a Webpage</h1>
10     <p>Hello Friend! Learn <b>HTML</b> here</p>
11 </body>
12 </html>

```

output

This is a Webpage

Hello Friend! Learn **HTML** here

Rules for writing a HTML document

Do you know there are some rules for writing a HTML document. Don't know?! I will tell you

For writing a HTML document there are some rules:

Tag Structure: HTML follows a tag based structure with opening and closing tags.

Nesting Rules: Tags Must be properly nested, with each opening tag paired with a corresponding closing tag.

Document Structure: An HTML document should have a proper structure, including a DOCTYPE declaration, <html>, <head> and <body> elements.

Attribute usage: Attributes within tags should follow a key-value structure, providing additional information and settings.

Whitespace ignored: Extra whitespace is generally ignored in HTML, but consistency in indentation enhances readability.

Chapter: 5- Videos In HTML

We can embed videos in HTML website that make websites beautiful

For embedding a video we can use video tag

```
<video src="hanan.mp4"></video>
```

There are some Attributes for Video Tag

- **src:** source of URL of the video
- **width:** We can adjust the width of video. Height automatically adjusts.
- **controls:** This Attribute displays control of the video. Like play, mute, stop etc.
- **autoplay:** Sets autoplay to the video. When we open the site the video auto plays.
- **loop:** Loops the video.

Lists...Unordered, ordered

In HTML there are lists that help to write items in sequence.

Types of lists:

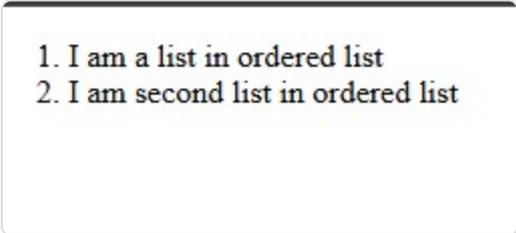
1. Ordered lists
2. Unordered Lists

What are Ordered list?

In HTML ordered Lists are lists that are in a ordered Way and have sequense wize numbers in starting.

Ordered list is written in Tag

```
<ol>
  <li>I am a list in ordered list</li>
  <li>I am second list in ordered list</li>
</ol>
```



```
1. I am a list in ordered list
2. I am second list in ordered list
```

In browser it will be shown as:

This is ordered List in HTML

What are Unordered Lists

Unordered lists are lists that dont have any order of writing. Unordered list is written in Tag

```
<ul>
  <li>I am a list in unordered list</li>
  <li>I am second list in unordered list</li>
</ul>
```

It will be shown as:

- I am a list in unordered list
- I am second list in unordered list

Chapter 6: Page layout

Link Attribute

```
<a href="about.html">About Me</a>  <!-- this opens the page or document in same tab -->
<a href="about.html" target="_blank">AboutMe</a><!-- this opens the page or linked document in new tab -->
```

Div Tag

Div tag takes the full width. Mostly used for containing other elements.

```
<div>
  <p>I am in div tag</p>
</div>
```

The div Tag. As you see the div tag is taking full width of the page



I am in div tag

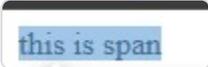
Span Tag

```
<span>this is span</span>
```

Span tag is opposite of div tag because it takes only its size width

```
<span>this is span</span>
```

See it is taking only itself width



this is span

chapter 6: Tables & Forms

The `>table>` tag is used to create table in HTML

- **<tr> tag:** used to create table row
- **<td> tag:** used to create table data
- **<th> tag:** used to in place of table data to to dispaly heading

To be Continued.....Wait for next Chapters till 15 march