Complete **2** Hour
HTML
+
Full Tutorial
Notes & Code

Microsoft
20 build
30 ship
40 goto 10

2:06:00

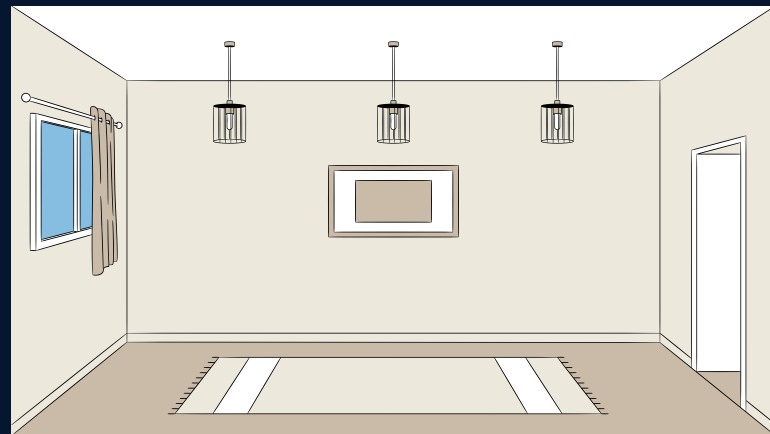**HTML Tutorial for Beginners | Complete**
HTML with Notes & Code

⋮

Apna College · 33 lakh views · 6 months ago

HTML

Structure/layout

CSS

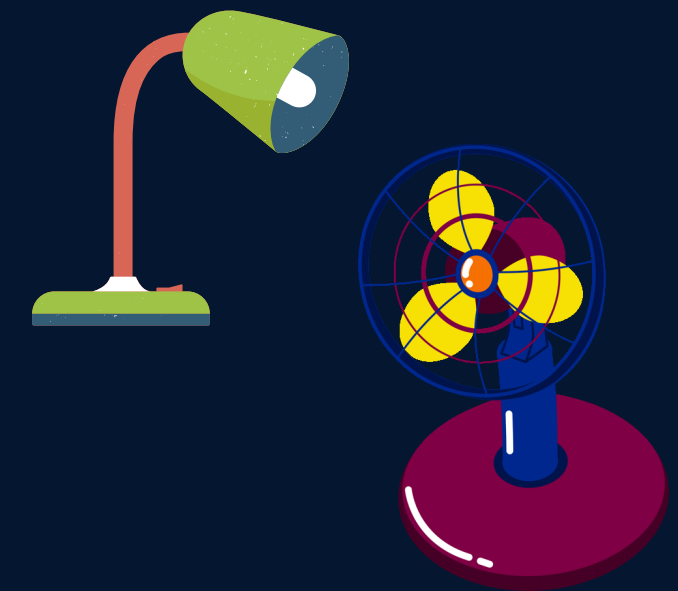## Style

JS

Logic

Level 1

HTML

Hyper Text Markup Language

HTML is the code that is used to structure a web page and its content.

The component used to design the structure of websites are called HTML tags.

First HTML File

index.html

It is the default name for a website's homepage

HTML Tag

A container for some content or other HTML tags

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

Content

Element

Basic HTML Page

```
<!DOCTYPE html>                          tells browser you are using HTML5

<html>                                   root of an html document

    <head>                               container for metadata

        <title>My First Page</title>     page title

    </head>

    <body>                               contains all data rendered by the browser

        <p>hello world</p>               paragraph tag

    </body>

</html>
```

Quick Points 🚀

Html tag is parent of head & body tag

Most of html elements have opening & closing tags
with content in between

Some tags have no content in between, eg -

We can use inspect element/view page source to edit html

Comments in HTML

This is part of code that should not be parsed.

`<!--` This is an HTML Comment `-->`

HTML is NOT case sensitive

<html> = <HTML>

<p> = <P>

<head> = <HEAD>
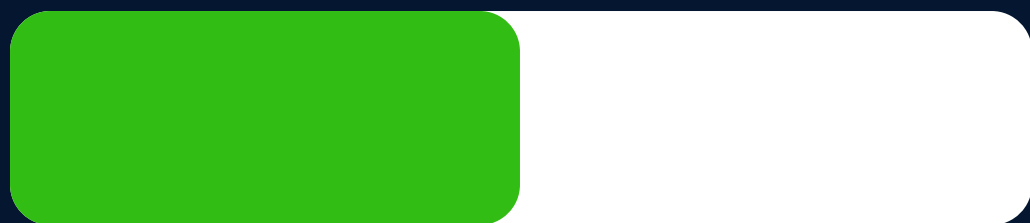
<body> = <BODY>

Level **2**

Basic HTML Tags

HTML Attributes

Attributes are used to add more information to the tag

`<html lang="en">`

Heading Tag

Used to display headings in HTML

h1   **(most important)**

h2

h3

h4

h5

h6   **(least important)**

Paragraph Tag

Used to add paragraphs in HTML

<p> This is a sample paragraph </p>

Anchor Tag

Used to add links to your page

`<a href="https://google.com"> Google </a>`

Image Tag

Used to add images to your page

`<img src="/image.png" alt="Random Image">`

↑

relative url

Br Tag

Used to add next line(line breaks) to your page

`<br>`

Bold, Italic & Underline Tags

Used to highlight text in your page

**\ Bold **

\<i> Italic \</i>

\<u> Underline \</u>

Big & Small Tags

Used to display big & small text on your page

<big> Big </big>

<small> Small </small>

Hr Tag

Used to display a horizontal ruler, used to separate content

`<hr>`

Subscript & Superscript Tag

Used to display a horizontal ruler, used to separate content

<sub> subscript </sub>

H_2O

<sup> superscript </sup>

$A^n + B$

Pre Tag

Used to display text as it is (without ignoring spaces & next line)

<pre> This

  is a sample

  text.

</pre>
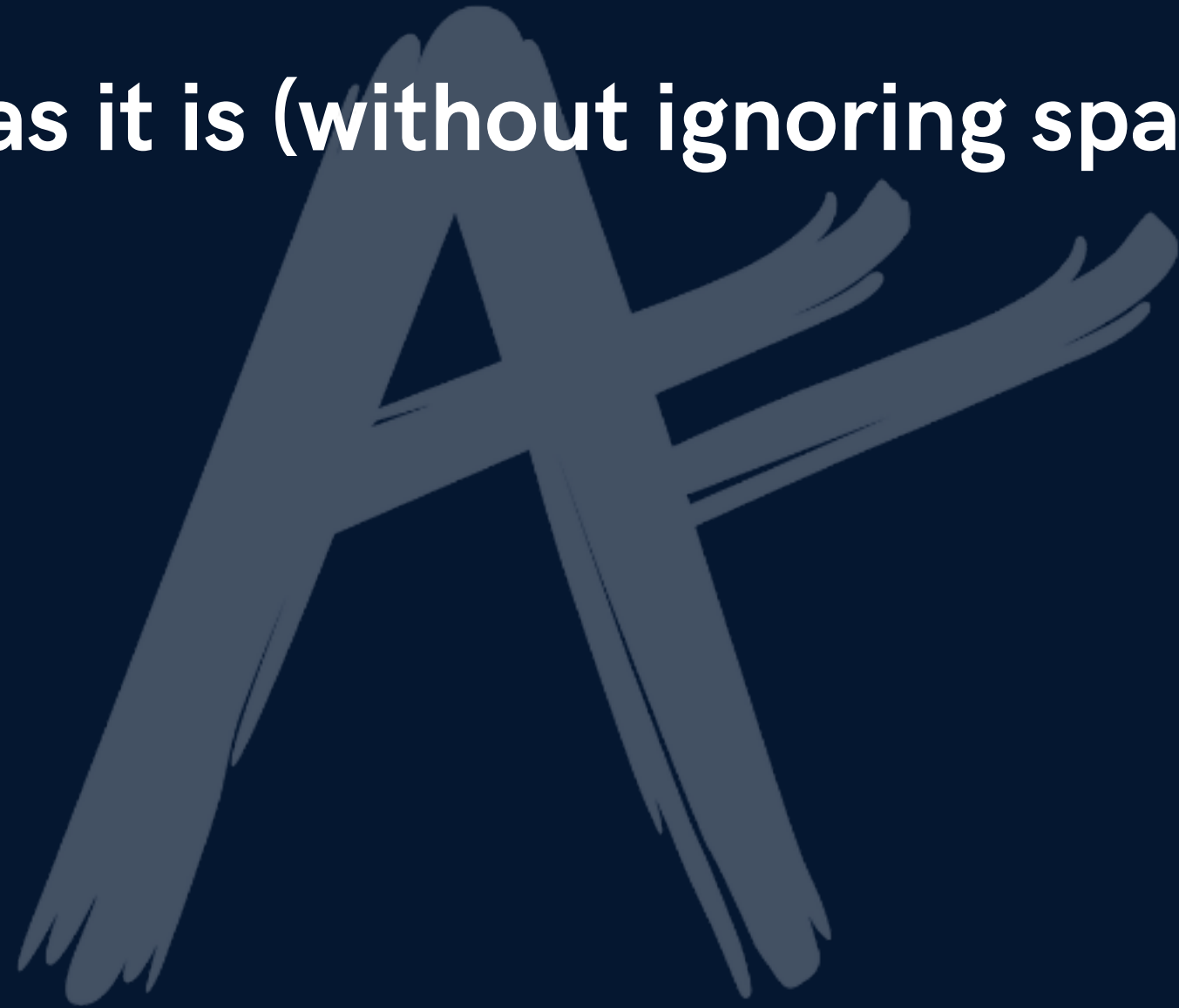
Level 3

Page Layout Techniques

using Semantic tags for layout

using the Right Tags

`<header>`

`<main>`

`<footer>`

Inside Main Tag

Section Tag   For a section on your page

<section>

Article Tag   For an article on your page

<article>

Aside Tag   For content aside main content(ads)

<aside>

Revisiting Anchor Tag

`<a href="https://google.com" target="_main"> Google </a>`

↑
for new tab

`<a href="https://google.com"> <img src="link"> </a>`

↑
clickable pic

Revisiting Image Tag

`<img src="link" height=50px >`

↑

set height

`<img src="link" width=50px >`

↑

set width

Div Tag

Div is a container used for other HTML elements

Block Element (takes full width)

List : Div Tags

<address>

<article>

<aside>

<blockquote>

<canvas>

<dd>

<div>

<dl>

<dt>

<fieldset>

<figcaption>

<figure>

<footer>

<form>

<h1>-<h6>

<header>

<hr>

<main>

<nav>

<noscript>

<p>

<pre>

<section>

<table>

<tfoot>

<video>

Span Tag

Span is also a container used for other HTML elements

Inline Element (takes width as per size)

List : Span Tags

<a>

<abbr>

<acronym>

<b>

<bdo>

<big>

<button>

<cite>

<code>

<dfn>

<em>

<i>

<input>

<kbd>

<label>

<map>

<object>

<tt>

<var>

<q>

<samp>

<script>

<select>

<small>

<span>

<strong>

<sub>

<sup>

<textarea>

<time>

Level **Pro**

List in HTML

Lists are used to represent real life list data.

unordered

ordered

```
<ul>

  <li> Apple </li>

  <li> Mango </li>

</ul>
```

```
<ol>

  <li> Apple </li>

  <li> Mango </li>

</ol>
```

Tables in HTML

Tables are used to represent real life table data.

<tr>   used to display table row

<td>   used to display table data

<th>   used to display table header

Tables in HTML

Name	Roll No
Shradha	1664

```
<table>
    <tr>
        <th> Name </th>
        <th> Roll No </th>
    </tr>
    <tr>
        <td> Shradha </th>
        <th> 1664 </th>
    </tr>
</table>
```

Caption in Tables

<caption> Student Data </caption>

Student Data

Name	Roll No
Shradha	1664

thead & tbody in Tables

<thead> to wrap table head

<tbody> to wrap table body

colspan attribute

colspan="n"

used to create cells which spans over multiple columns

Data	
Shradha	1664
Aman	1890

Form in HTML

Forms are used to collect data from the user

Eg- sign up/login/help requests/contact me

`<form>`

form content

`</form>`

Action in Form

Action attribute is used to define what action needs to be performed when a form is submitted

```
<form action="/action.php" >
```

Form Element : Input

```
<input type="text" placeholder="Enter Name">
```

Label

```
<label for="id1">

    <input type="radio" value="class X" name="class"  id="id1">

</label>


<label for="id2">

    <input type="radio" value="class X" name="class"  id="id2">

</label>
```

Class & Id

```
<div id="id1" class="group1">

</div>



<div id="id2"> class="group1">

</div>
```

Checkbox

```html
<label for="id1">

    <input type="checkbox" value="class X" name="class" id="id1">

</label>


<label for="id2">

    <input type="checkbox" value="class X" name="class" id="id2">

</label>
```

Textarea

```
<textarea name="feedback" id="feedback" placeholder="Please add Feedback">

</textarea>
```

Select

```
<select name="city" id="city">

    <option value="Delhi">  Delhi </option>

    <option value="Mumbai">  Delhi </option>

    <option value="Banglore">  Delhi </option>

</select>
```

iframe Tag

website inside website

`<iframe src="link">  Link </option>`

Video Tag

`<video` `src="myVid.mp4">` `My Video </video>`

Attributes

- controls

- height

- width

- loop

- autoplay

All the very best in your future

journey :)

- Aman bhaiya & Shradha didi

HTML Codes
By Apna College

- **First HTML Script**

```html
<!DOCTYPE html>
<html lang="en">
 <head>
   <meta charset="UTF-8" />
   <meta http-equiv="X-UA-Compatible" content="IE=edge" />
   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
   <title>Print Hello</title>
 </head>
 <body>
   <h1>Hello World!</h1>
 </body>
</html>
```

- **Comments in HTML**

```html
<!-- This is a sample comment in HTML -->
```

- **Heading Tags (H1 to H6)**

```html
<h1>Heading 1</h1>
   <h2>Heading 2</h2>
   <h3>Heading 3</h3>
   <h4>Heading 4</h4>
   <h5>Heading 5</h5>
   <h6>Heading 1</h6>
```

- **Paragraph Tag**

```html
   <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. A in dolorum
incidunt recusandae eveniet, quia fuga odio itaque officia ex quos culpa
necessitatibus debitis ea deserunt sed dolores cupiditate. Saepe.</p>
```

- **Anchor Tag**

```html
<a href="https://google.com">Go to Google</a>
```

- **Image Tag**

```
<img src="/image.jpeg" alt="relative url">
    <img
src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAoHCBYVFRgVFRYYGRg
```
```
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FkwNbJNWhrsOK9zlsCh1FBtW0QhuqISHYQvRKdaNlVzIjHWuihB6zWHTVUyboxqDhBcUIGTa+6mCDrY
fU+ygCoucmBcoYssJLABbU+YkSLGbR6AK+azK0F2ZpkSQS7KTb5TbLwQRe3c5FGpqCARB1F+fmEH7rZ
6NRa82pOJjZzojefKRa2x2UTSSs2xNydHQ9Owssyl4nVrnTImfKcxFraLM6gNDx5SBp2Pb911rqLWMa
8sAJbkJOjd2ukNABG8AfmuXx1SSfWDfMWnYHcjv91hjlI9Oaio0gWDrPe0sESQC5x2DAZNtdU2BwbiY
AymS0OJFjEudI0ABnXsi9OwL2ua8XINg02yvGXzHb8QVjEVocWj5iYjXQzA7Tf2Q5ctRLxQ2W0/9G8x
lPKGN8wbEwBewABJ35WB1am6oTqZgOc6A1oBJAgWJ42vOpM3P6zw2DK0OdsXfLJNyXHyuM+o/Mc31bE
Oc6XuaTGzwYB2aJho2MX121jHB7EeVKKVFV+RoIDy4fjItmd/aXfiH+Isdc3GXVcHOJADQdANB2RKrp
IBcCBYBswBqYkIRZAB5E/z6LtXB5EnYNSZTJTtF1bY/NbQBDZKQ9DDhrofoVVrgBxgLRxdQZRlIn7qq
xhf831ST+jaXSKattqw0RqIQazMroTZDEpiTosHEB5h/1WhhMDF3GRwsk0HC8K3hcY9rgPQQlJOuC4t
XyWMUxhb5RBErLeyFuYnDteJBgxcLHq077oixTVMC1EbG6kyi7hIsgqyC1TxQjLCrEDhTZSNneisuq/
4pFd9maQnLkkkEkURjSTZJJJjQgYUC6SkkgRNztkJJJMBwk1JJABAJKaokkkAwKsU8OD8xvwPM79B7n
2SSSY0HbhyDZgAGrnXj6w32hb/S3D5m17Ns4RAjtJb7WOiSSyycxOrBxJGnjMU5zAQXCZBkEMdGsDVv
5LBxHI9Pbj9kkksf9p1z7NPA1wGOj5srfdzXAgkb6FVaQDnlzzAg+5O35JJI1XJcpOkA6hMN8pLjDQf
IIAAmCASddu/qsXHUCXEgAD1AHsCZ/kpJK8Zw5ubsHhMPJJcYaAZdtMaDk30F0Gu5pPlBA76n2GnonS
WhzPpAmqZdAhJJMkFKK2q42CSSGBZGFefmamrUnABvokkoUnZpSogyoW2KZr79/RJJUSFZULPm1Kt12
ZmghMkkwXQEPLRCLQo5jJSSR8Euw9am1hg9k/gt/gSSQui/p//Z" alt="absolute url">
```

- **Some Tags for Formatting**

```html
<b>BOLD</b>
  <br>
  <i>ITALIC</i>
  <br>
  <u>UNDERLINE</u>
  <hr>
  <br>
  <big>BIG</big>
  <br>
  <small>SMALL</small>
  <hr>
  <br>

  <pre>
    This is
    a
    sample
    HTML
    file... read      it carefully.
  </pre>
```

- **Div & Span Tags**

```html
<div id="parent">
 <div id="child" class="children">


 </div>
 <span id="child2" class="children">


 </span>
</div>
```

- **Lists in HTML**

```html
<ul>
      <li>Apple</li>
      <ul>
        <li>color : red</li>
        <li>season : winters</li>
      </ul>
      <li>Mango</li>
      <ul>
        <li>color : yellow</li>
        <li>season : summers</li>
      </ul>
      <li>Litchi</li>
    </ul>

    <ol>
      <li>Apple</li>
      <ol>
        <li>color : red</li>
        <li>season : winters</li>
      </ol>
      <li>Mango</li>
      <ol>
        <li>color : yellow</li>
        <li>season : summers</li>
      </ol>
      <li>Litchi</li>
    </ol>
```

- **Tables in HTML**

```html
<table>
  <thead>
    <caption>
      Student data
    </caption>
    <tr>
      <th colspan="2">INFORMATION</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Shradha</td>
      <td>1664</td>
    </tr>

    <tr>
      <td>Aman</td>
      <td>1680</td>
    </tr>

    <tr>
      <td>Sudhir</td>
      <td>1790</td>
    </tr>
  </tbody>
</table>
```

- **Forms in HTML**

```html
<h4>Registration Form</h4>
  <form action="/action.php">
    <input type="text" placeholder="username" />
    <br />
    <br />
    <input type="password" placeholder="password" />
    <br /><br />
    <h5>Select your class</h5>
    <label for="101">
      <input type="radio" value="class XI" name="class" id="101" />class XI
    </label>
```

```html
    <br /><br />
    <label for="102">
      <input type="radio" value="class XII" name="class" id="102" />class XII
    </label>


    <br /><br />
    <h5>Select Fav Subjects</h5>
    <label for="math">
      <input type="checkbox" value="math" name="subject" id="101" /> Math
    </label>
    <br /><br />
    <label for="phy">
      <input type="checkbox" value="phy" name="subject" id="102" /> Physics
    </label>
    <br /><br />
    <label for="chem">
      <input type="checkbox" value="chem" name="subject" id="103" /> Chemistry
    </label>
    <br /><br />
    <label for="CS">
      <input type="checkbox" value="CS" name="subject" id="104" /> Computer
      Science
    </label>
    <br /><br />
    Select your city
    <select name="city">
      <option value="Delhi">Delhi</option>
      <option value="Banglore">Banglore</option>
      <option value="Pune">Pune</option>
      <option value="Mumbai">Mumbai</option>
    </select>


    <br /><br />
    <textarea
      name="feedback"
      id="101"
      placeholder="please give your valuable feedback here"
      rows="5"
    ></textarea>
    <br />
    <input type="submit" value="submit" />
  </form>
```

- **iFrame in HTML**

```html
<iframe
    width="560"
    height="315"
    src="https://www.youtube.com/embed/UmnCZ7-9yDY"
    title="YouTube video player"
    frameborder="0"
    allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture"
    allowfullscreen
></iframe>
<br /><br />
<iframe
    width="560"
    height="315"
    src="https://en.wikipedia.org/wiki/India"
></iframe>
```

- **Video Tag in HTML**

```html
<video width="560" height="315" src="/myVideo.mov" controls autoplay>
    my video
</video>
```