

# Inline v/s Block

## Block Elements

**Takes up the full-width available (whole block)**

**Start from new line**



## Inline Elements

**Takes up only necessary width**

**Don't start from new line**



# Am I Inline or Block?

- Heading Element block
- Paragraph Element  $\langle p \rangle = \langle /p \rangle$  block
- Anchor Tag inline  $\langle p \rangle = \langle /p \rangle$
- Image Element inline

## Div Element

content  
division  
element

Div is a **container** used to hold other HTML elements or group elements together

It is a **block** Element

```
<!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>Inline v/s Block</title>
  </head>
  <body>
    <div>
      <a href="www.google.com">Google</a>
      <a href="www.youtube.com">Youtube</a>
    </div>

    <a href="www.facebook.com">Facebook</a>
  </body>
```

## Span Element

Span is also a generic **container** used to hold other HTML elements or group elements together

It is an **inline** Element

# Hr Tag

Horizontal Rule Element

`<hr>`

which is  
Shradha  
Ichapra

---

## Sub & Sup Tag

$a^2 = b^2 + c^2$  ← Superscript

a <sup> 2 </sup>



H <sub> 2 </sub> O

Subscript



# Practice Qs 4

Print the following on the screen using <h1> heading elements

Pythagoras theorem says  $a^2 + b^2 = c^2$

Formula for glucose is  $C_6H_{12}O_6$

# Semantic Markup

it is the markup that relates to the **meaning of content**

↓  
semantic

↓  
meaning

↓  
non-semantic

# Semantic Markup

it is the markup that relates to the **meaning of content**

↓  
semantic  
<h1>  
<p>  
<img>

↓  
non-semantic  
<div>  
<span>

# Semantic Markup

it is the markup that relates to the **meaning of content**

- ① meaningful / layout → structured
- ② seo friendly  
↓  
search engine optimization
- ③ readable + screen readers

# Semantic Markup

**<header> </header>**

**<main> </main>**

**<footer> </footer>**

**<nav> </nav>**

↳ navigation

```
<header>
  Apna College
  <nav>
    <ul>
      <li><a href="/about.html">About Us</a></li>
      <li><a href="/contact.html"></a>Contact Us</li>
    </ul>
  </nav>
</header>
<main>This is my main content.</main>
<footer>Made with &hearts;</footer>
```

# Semantic Markup


**<article> </article>**

**<section> </section>**

**<aside> </aside>**

↓ related  
links/content

## HTML Entities

- An HTML entity is a piece of text ("string") that begins with an ampersand (&) and ends with a semicolon (;).
  - used to display **reserved characters** (which would otherwise be interpreted as HTML code), and **invisible characters** (like non-breaking spaces).
  - can also use in place of characters that are difficult to type with a standard keyboard.
  - browser interprets them & renders correct character
- 



# HTML Entities

Character	Entity	Note
&	<code>&amp;amp;</code>	Interpreted as the beginning of an entity or character reference.
<	<code>&amp;lt;</code>	Interpreted as the beginning of a <a href="#">tag</a>
>	<code>&amp;gt;</code>	Interpreted as the ending of a <a href="#">tag</a>
"	<code>&amp;quot;</code>	Interpreted as the beginning and end of an <a href="#">attribute</a> 's value.

## Practice Qs 5

Print the following on the screen using an `<h1>` heading element and entities

\*search for suitable cloud & rain entities

The sky is cloudy ☁ & it will rain 🌧 today.

# Emmet

visit [emmet.io](http://emmet.io)

parent - child selector



family tree

`<p> <img> </p>`

`p`  
↓  
`img`

`<main>`

`<p>`

`</p>`

# Emmet

visit [emmet.io](http://emmet.io)

<p>

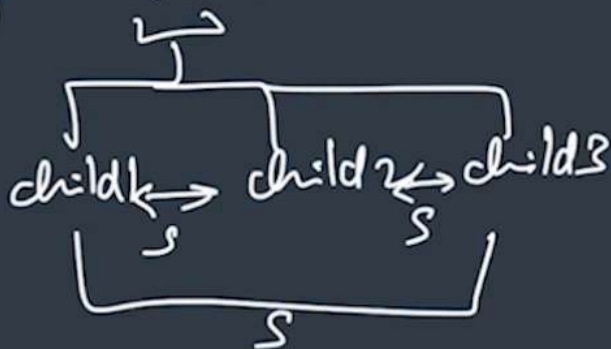
<div> </div>

<img>

<p>

sibling

par  



# Understanding HTML 5

The term HTML5 is essentially a buzzword that refers to a set of modern web technologies. This includes the [HTML](#) Living Standard, along with [JavaScript APIs](#) to enhance storage, multimedia, and hardware access.

① new features/  
upgrades  
in  
HTML + other things/features  
not part of HTML2

# How HTML works?

## HTML Standard

HTML Standard is a document that tells to the browser how HTML should work.

# HTML (Level 2)

## Practice Questions

### Qs1. Self-learning

Search on the internet & learn to use the video tag in HTML. (Similar to the img tag)

Qs2. Is video tag a semantic tag?

Qs3. Print the following using HTML tags :

Today is the 9<sup>th</sup> of October and  $2^4 = 16$  always

Qs4. Add a new section to your portfolio page for your achievements. Mention anything you have achieved, competitions won, participations etc. in this section. It could be related to coding, tech, art, music, sports, debating etc.

Use the following tags in some manner to achieve this : **<section>**, **<ul>**, **<b>**, **<hr>** etc.

Qs5. Print the symbols for copyright & trademark on your webpage.

# HTML (Level 2)

## Practice Solutions

Ans 1

Use this link for help :

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/video>

Ans 2

Yes, the HTML video tag is a semantic tag.

Ans 3

```
<p>Today is the 9<sup>th</sup> of October and 2<sup>4</sup> =  
16 always</p>
```

Ans 4

You have to complete this exercise on your own as the portfolio section will be different for each student.

Ans 5

We can do this using HTML entities.

Copyright entity name : **&copy;**

Trademark entity name : **&reg;**