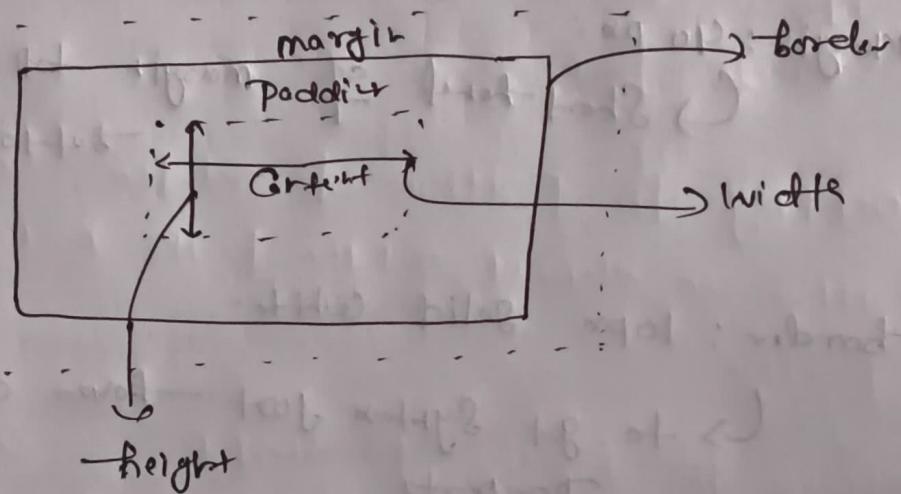


T1 : 29 Jan 2026

## The Box Model

When rendering HTML document the browser  
Put each element inside a box.

The Box Model four areas : the Content  
area, the padding area, the border area  
and the margin area.



Padding is the space b/w the border and the  
Content area

Margin is the space outside of an element and  
should be used to separate element from each  
other.

Margin Collapsing - happen when the top and  
bottom margin of element are combined  
into a single margin. The size of  
margin is equal to the largest of the  
two margin

- Common choice by developer, Set box-size in Property - border-box using Universal Selector

- By default box-sizing - Content - Box

इसमें Content area एवं width & height मापदंड हैं, Padding / margin  
— border वे पुराना हैं।  
जिससे element का गठन हो जाता है,

Margin: 40px:

↳ short-hand of margin-top, Right,  
Bottom, Left

border: 10px solid white;

↳ to get syntax just — hover on  
Property

padding: 40px is space below Content area  
— border.

padding: 20px

↳ Content के चारों ओर 20px

- Browser also give box-model
- Just inspect the web page  and for get Box-model
- Particular Selector Box-model to Please.
- Selected  Selector

Note: Designer  spacing विषय समान  
कितना space होना चाहिए।

→ \* , universal Selector (apply to all element)

### Style.css

\* ,

\*::before

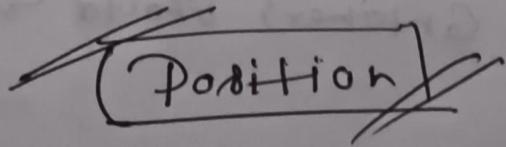
\*::after {

margin: 0;

padding: 0;

border: 0;

}



using the position property or precisely Position  
an element

The Default value of this property is static

If we change the value of this property, the  
element is considered positioned.

on webpage, we have three axes

- i) Horizontal (x-axis)
- ii) Vertical (y-axis)
- iii) Depth (z-axis)

z-index is used to move element along the z-axis.

- ~ by default, z-index: 0
- ~ if we increase z-index element move toward us.
- ~ if we decrease z-index element move away from us.

By setting the position to relative, we can position an element relative to its normal position.

By setting the position to absolute, we can position it relative to its positioned parent/Container. That means the parent (or Container) should be a positioned element.

By setting the position to fixed, we can position the element relative to the viewport.

By setting the position to sticky, the element becomes positioned relative to the viewport once the specified condition is met.

- Ques 1 → अगे आजा का दिया गया यहाँ से
- किसी दूसरे के absolute नहीं होता।
  - QH also need Relative
  - उसकी के Prospective absolute Position  
में आएगा त

Sticky → ये जो किंहीं की रुपया & पर

Condition होने पर वहाँ पर के बाएँ

~~fixed~~ ~~बनाएँ~~  
 Position: sticky  
 Top: 20px

Top के 20px बाएँ जो ही ~~fixed~~ करना,

relative → कुसी भी ये move करने की क्या होती है।

ये बना रखिए इसके छोंदों के Element

इसके relative move की पाएँ।

. -box 2

Position: absolute;

bottom: 80px;

right: 20px;

Absolute → ४

Fixed → मेंदाता किना भी जड़ा हो  
width: 100px height: 100px  
फ्रैम करा हो

.box {

position: fixed;

border: 1px solid black;

}

↓

दुर्लभता इष्ट ए पर्याप्त नहीं हो

स्थिरन करा।

Sticky :

.box {

position: sticky;

top: 100px;

}

Position Static (जिद करना) हो

Condition top: 100px करना हो।

Part 2

Position: static;

top: 100px; // No effect

10.25

Note

आगे Parent T होता है द्वारा by default browser  
body ~~का~~ relative ~~होता~~, किया जाता है  
→ आगे Parent relative के ने Child Parent को  
overriding position: absolute होता है.

\* display वे viewport द्वा

\* Pseudo-class Selector (!)

a: hover {

color: deeppink;

}

whenever write :hover always use :focus to  
get same result. while navigating using tab key

: first-child → 1st Child of article element/

: first-of-type → 1st occur of element

## Pseudo Element Selector (::)

~~::first~~ :: Style part of an element

D :: first-letter

P :: first-line

:: Selection  $\rightarrow$  Any Selected Element

P :: before

P :: after  $\rightarrow$  insert Content after

## Semantic Elements

→ That Element has meaning

<aside> <time> <mark> <header> <footer>

<main>

So use only <div> and <span> elements later

no other Semantic element is appropriate

## Structure of Web Page

- \* Use <header> to represent introductory content
- \* Use <main> to represent the main Content of the Page. Every Page Can have Only One <main> element
- \* Use <div> <section> to group related content

- Use <aside> to represent Content that is directly related to the main Content.
- Use <footer> to provide more information about Content.

## Non Semantic

```

<div class="header">
<div class="nav">
<div class="content">
  <div class="left">
  <div class="right">
<div class="footer">
  
```

## Semantic

```

<header>
<nav>
<section>
<content>
<aside>
<footer>
  
```

- Semantic use Karte ei st website si meaning all content &

This is the case visual don't tell the whole story  
 we use Color and font size to draw sighted users  
 attention to the most useful part of the Content  
 like the navigation menu and relative link, but what  
 about visually impaired people for example: auto night  
 not find Content like "pink" and "large font" very  
 useful?

Roughly 8% of men and 0.5% of women  
are Colourblind; or to put it another  
way, approximately 1 in every 12 men and 1 in  
every 200 women Blind and visually impaired.  
People represent roughly 4-5% of the  
World population.

Ques

Homework

measuring units

Revision

Q Content box, border-box

px, rem, em, %, em

Note → ① live Server ② HTML CSS Support,

③ auto zoom tag

④ indent rainbow

⑤ Poetry

npm Create vite@latest

or

→ for Create vite let's do

Select a framework

→ Vite

Select a variant

→ JavaScript

use Rollup - Vite

→ JS

\* Compute next lower A,B,C,D of Knu number

80 <meta charset="UTF-8" /> → need

byte to character.

→ vite पर / ए शुद्ध हो। मतलब Public

directory पर लोग।

<meta name="icon" type="image/svg+xml" href="fChai.Dig" />

<link rel="stylesheet" href="src/style.css" />