

Day-7 css part-c

Tuesday, May 13, 2025 9:53 PM

Name	Type
0. Topic List.jpg	JPG File
0. Topic List.png	PNG File
01. Download Starter HTML.pdf	Microsoft Edge PDF
02. Box Model.mp4	MP4 Video File (VLC)
03. Height & Width.mp4	MP4 Video File (VLC)
04. Border.mp4	MP4 Video File (VLC)
05. Border Radius.mp4	MP4 Video File (VLC)
06. Padding Property.mp4	MP4 Video File (VLC)
07. Margin Property.mp4	MP4 Video File (VLC)
08. Practice Qs.mp4	MP4 Video File (VLC)
09. Display Property.mp4	MP4 Video File (VLC)
10 Conclusion (Inline & Block).pdf	Microsoft Edge PDF
11 Inline-Block.mp4	MP4 Video File (VLC)
12 Relative Units (Percentage).mp4	MP4 Video File (VLC)
13 Em & Rem in Units.mp4	MP4 Video File (VLC)
14. CSS Part3 (Qs).pdf	Microsoft Edge PDF
15. CSS Part 3 (Ans).pdf	Microsoft Edge PDF

<https://github.com/> using any email address. And keep the account logged in.

Please download all the HTML files in this folder :

[https://github.com/apna-college/Delta/tree/main/CSS/Chapter3%20\(BoxModel\)](https://github.com/apna-college/Delta/tree/main/CSS/Chapter3%20(BoxModel))

To download each file (as mentioned in the chapter) :

- Click on file name

Class 1: download index.html file

Code Blame Raw

```
1 <!DOCTYPE html>
```

Code

Blame

Raw



```
1  <!DOCTYPE html>
2  <html lang="en">
3      <head>
4          <meta charset="UTF-8" />
5          <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6          <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7          <title>CSS</title>
8          <link rel="stylesheet" href="style.css" />
9      </head>
10     <body>
11         <h1>Random Heading</h1>
12         <div>
13             Now is the winter of our discontent Made glorious summer by this
14             York; And all the clouds that lour'd upon our house In the deep
15             the ocean buried. Now are our brows bound with victorious wreaths;
16             bruised arms hung up for monuments; Our stern alarums changed
17             meetings, Our dreadful marches to delightful measures. Grim-visage
18             hath smooth'd his wrinkled front;
19         </div>
20         <div>
21             And now, instead of mounting barded steeds To fright the souls
22             adversaries, He capers nimbly in a lady's chamber To the lascivious
23             music, Where he肆意地
24             bruised arms hung up for monuments; Our stern alarums changed
25             meetings, Our dreadful marches to delightful measures. Grim-visage
26             hath smooth'd his wrinkled front;
27         </div>
28         <button>Click me</button>
29     </body>
30 </html>
```

```
16             bruised arms hung up for monuments; Our stern alarums changed
17             meetings, Our dreadful marches to delightful measures. Grim-visage
18             hath smooth'd his wrinkled front;
19         </div>
20         <div>
21             And now, instead of mounting barded steeds To fright the souls
22             adversaries, He capers nimbly in a lady's chamber To the lascivious
23             music, Where he肆意地
24             bruised arms hung up for monuments; Our stern alarums changed
25             meetings, Our dreadful marches to delightful measures. Grim-visage
26             hath smooth'd his wrinkled front;
27         </div>
28         <button>Click me</button>
29     </body>
30 </html>
```

=====

Class 2: Box model

Box Model in CSS

- Height ✓
- Width ✓
- Border ✓
- Padding ✓
- Margin ✓



We can see many type of box from inspect from any website like wikipedia,

Margin: space between 2 box.

Padding :

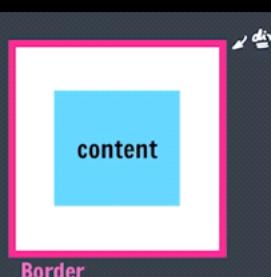
Class 3: Height & width.

Clas 4: border element

Border

Used to set an element's border

- border-width
- border-style
- border-color

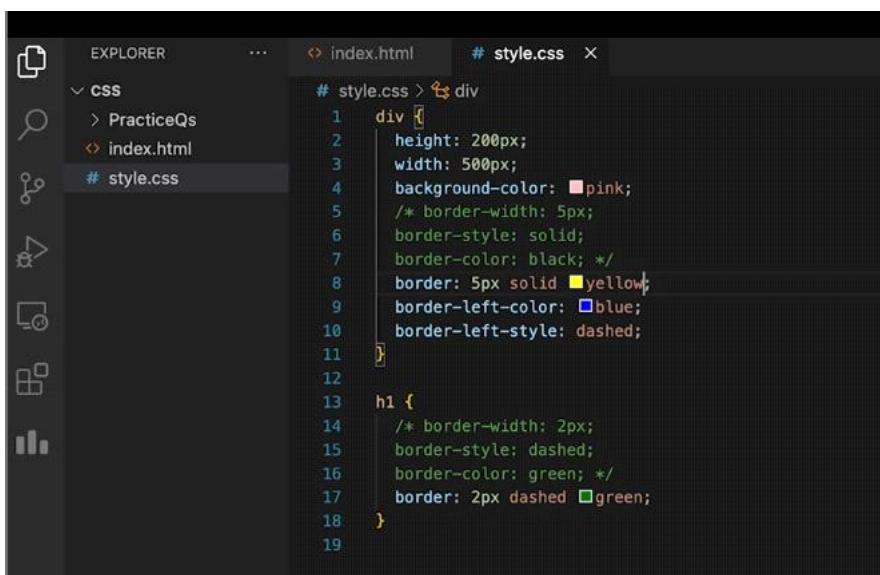


Random Heading

Now is the winter of our discontent Made glorious summer by this sun of York; And all the clouds that lour'd upon our house In the deep bosom of the ocean buried. Now are our brows bound with victorious wreaths; Our bruised arms hung up for monuments; Our stern alarums changed to merry meetings, Our dreadful marches to delightful measures. Grim-visaged war hath smooth'd his wrinkled front;

And now, instead of mounting barded steeds To fright the souls of fearful adversaries, He capers nimbly in a lady's chamber To the lascivious pleasing of a lute. But I, that am not shaped for sportive tricks, Nor made to court an amorous looking-glass; I, that am rudely stamp'd, and want love's majesty To strut before a wanton ambling nymph; I, that am curtail'd of this fair proportion,

Click me



EXPLORER ... index.html # style.css

css PracticeQs index.html # style.css

```
# style.css > div
1 div {
2   height: 200px;
3   width: 500px;
4   background-color: pink;
5   /* border-width: 5px;
6   border-style: solid;
7   border-color: black; */
8   border: 5px solid yellow;
9   border-left-color: blue;
10  border-left-style: dashed;
11 }
12
13 h1 {
14   /* border-width: 2px;
15   border-style: dashed;
16   border-color: green; */
17   border: 2px dashed green;
18 }
19
```



The screenshot shows a code editor interface with the title bar "Apna col dev course code". The left sidebar is labeled "EXPLORER" and lists several files under "APNA ...": "day_6_css_part_2", "day_7_css_part_3.cpp", "index.html", "# style6.css", "day_8css_part_4.cpp", "day_9css_part_5.cpp", and "day_10css_part_6.cpp". The main editor area displays two CSS files: "style6.css" and "index.html".

```
ce_demo.html      # inheritance.css      < index.html day_7_css_pa
APNA ...
day_6_css_part_2
day_7_css_part_3.cpp
index.html
# style6.css
day_8css_part_4.cpp
day_9css_part_5.cpp
day_10css_part_6.cpp

day_7_css_part_3.cpp > # style6.css > h1
1  div {
2      height : 200px;
3
4      width : 500px;
5
6      background-color : pink ;
7
8      border-width: 5px;
9
10     border-style: solid;
11
12     border-color: green;
13
14     border: 5px solid yellow;
15     border-left-color: blue;
16     border-left-style: dashed;
17
18     border-top: 5px dashed red;
19
20
21 }
22
23 h1 {
24     /* border-width: 2 px;
25     border-style: dashed;
26     border-color: green; */
27
28     border: 2px dashed green;
29 }
30
```



Random Heading

Now is the winter of our discontent Made glorious summer by this sun of York; And all the clouds that lour'd upon our house In the deep bosom of the ocean buried. Now are our brows bound with victorious wreaths; Our bruised arms hung up for monuments; Our stern alarums changed to merry meetings, Our dreadful marches to delightful measures. Grim-visaged war hath smooth'd his wrinkled front;

And now, instead of mounting barded steeds To fright the souls of fearful adversaries, He capers nimbly in a lady's chamber To the lascivious pleasing of a lute. But I, that am not shaped for sportive tricks, Nor made to court an amorous looking-glass; I, that am rudely stamp'd, and want love's majesty To strut before a wanton ambling nymph; I, that am curtail'd of this fair proportion,

Click me

=====

Class 5: Border Radius

Border Radius



Used to **round the corners** of an element's outer border edge

```
div {  
    border-radius: 15px;  
}  
  
div {  
    border-radius: 50%;  
}
```

CSS

Border radius



Create this type border.

==

```
8 | border: 5px solid black;  
9 | border-radius: 15px;  
10| }
```

Now is the winter of our discontent Made glorious summer by this sun of York; And all the clouds that lour'd upon our house In the deep bosom of the ocean buried. Now are our brows bound with victorious wreaths; Our bruised arms hung up for monuments; Our stern alarms changed to merry meetings, Our dreadful marches to delightful measures. Grim-visaged war hath smooth'd his wrinkled front;

And now, instead of mounting barded steeds To fright the souls of fearful adversaries, He capers nimbly in a lady's chamber To the lascivious pleasing of a lute. But I, that am not shaped for sportive tricks, Nor made to court an amorous looking-glass; I, that am rudely stamp'd, and want love's majesty To strut before a wanton ambling nymph; I, that am curtail'd of this fair proportion,

Click me



```
7 | border-color: black;"/>
8 | border: 5px solid black;
9 | border-radius: 100px;
10 | }
11 |
```

Border-radius : create round shape.

Kandom Heading

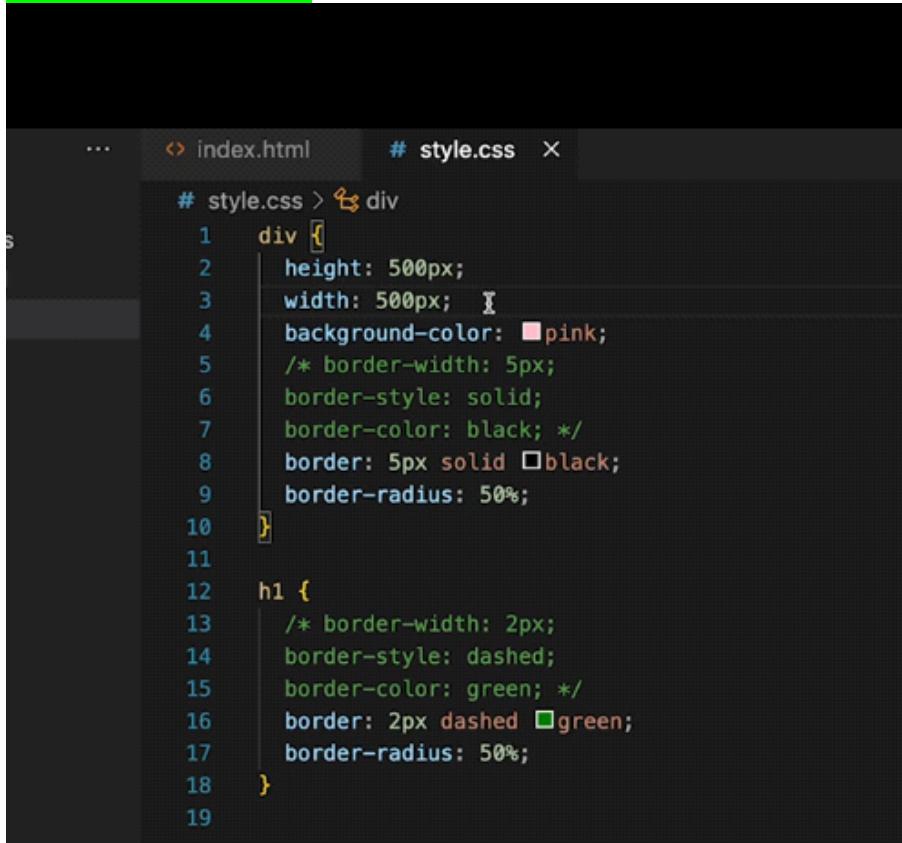
Now is the winter of our discontent Made glorious summer by this sun of York; And all the clouds that lour'd upon our house In the deep bosom of the ocean buried. Now are our brows bound with victorious wreaths; Our bruised arms hung up for monuments; Our stern alarms changed to merry meetings, Our dreadful marches to delightful measures. Grim-visaged war hath smooth'd his wrinkled front;

And now, instead of mounting barded steeds To fright the souls of fearful adversaries, He capers nimbly in a lady's chamber To the lascivious pleasing of a lute. But I, that am not shaped for sportive tricks, Nor made to court an amorous looking-glass; I, that am rudely stamp'd, and want love's majesty To strut before a wanton ambling nymph; I, that am curtail'd of this fair proportion,

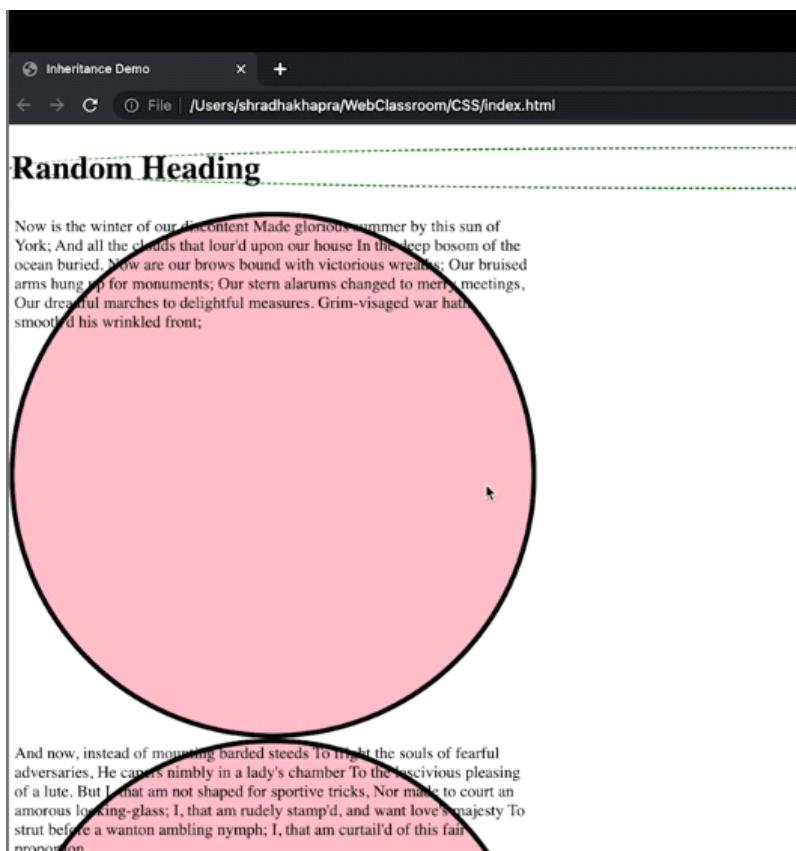
=====

If we want complete circle then we have to need
=> same height and same width .

And border-radius : 50% ;



```
...  index.html    # style.css  X
# style.css > ↗ div
1  div {
2    height: 500px;
3    width: 500px; 
4    background-color: pink;
5    /* border-width: 5px;
6    border-style: solid;
7    border-color: black; */
8    border: 5px solid black;
9    border-radius: 50%;
10 }
11
12 h1 {
13   /* border-width: 2px;
14   border-style: dashed;
15   border-color: green; */
16   border: 2px dashed green;
17   border-radius: 50%;
18 }
19
```



=====

=====

Go to [MDN REFERENCE FOR MORE INFORMATION :](#)

====

[MDN](#)

The screenshot shows the MDN Web Docs page for the border-radius property. It features a navigation bar with 'References', 'Guides', and 'MDN Plus'. Below the navigation is a breadcrumb trail: 'S > border-radius'. The main content area starts with a note: 'a single radius to make circular corners, or two radii to make elliptical corners.' Below this is a 'Try it' section with a title 'CSS Demo: border-radius'. It contains a list of CSS code snippets for border-radius values. To the right is a large blue box with rounded corners and the text 'This is a box with rounded corners.' A 'RESET' button is located at the top right of the demo area. At the bottom, a note states: 'The radius applies to the whole `background`, even if the element has no border; the exact position depends on the value of `border-radius`'.

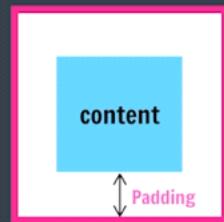
The screenshot shows a browser window with several tabs open. The active tab is titled 'MHBWEB' and displays a page with a pink background and a black border. The page contains a heading 'Random Heading' and a paragraph of text. To the right of the browser is a code editor showing a file named 'style.css'. The code defines styles for an 'h1' element and a 'div' element. The 'h1' style includes a yellow border, a blue dashed border on the left, and a green border on the top. The 'div' style includes a black solid border and a 10px radius on the top-right corner. The code editor has syntax highlighting and line numbers from 13 to 46.

=====RESET THE CODE=====

CLASS : 06 Padding property

Padding

- padding-left
- padding-right
- padding-top
- padding-bottom



```
div {  
    padding-left: 50px;  
}
```

ss

padding



Random Heading

Now is the winter of our discontent Made glorious summer by this sun of York; And all the clouds that lour'd upon our house In the deep bosom of the ocean buried. Now are our brows bound with victorious wreaths; Our bruised arms hung up for monuments; Our stern alarums changed to merry meetings, Our dreadful marches to delightful measures. Grim-visaged war hath smooth'd his wrinkled front;

And now, instead of mounting barded steeds To fight the souls of fearful adversaries, He capers nimbly in a lady's chamber To the lascivious pleasing of a lute. But I, that am not shaped for sportive tricks, Nor made to court an amorous looking-glass; I, that am rudely stamp'd, and want love's majesty To strut before a wanton ambling nymph; I, that am curtail'd of this fair proportion,

Click me

```
index.html
style6.css
day_8cs_part_4.cpp
day_9cs_part_5.cpp
day_10css_part_6.cpp

31 div {
32   height: 200px;
33   width: 500px;
34   background-color: #pink;
35
36   border: 5px solid #black;
37   border-top-right-radius: 10px;
38
39 }
40
41 h1 {
42   border: 2px dashed green;
43
44 }
45
46
47 /* padding using */
48
49 button {
50   border: 2px solid #black;
51   border-radius: 10px;
52   padding-left: 25px;
53
54   padding-right: 25px;
55
56   background-color: yellow;
57
58 }
59
60
61
```

Padding Shorthand

#1. for all 4 sides

padding: 50px;

#2. top & bottom | left & right

padding: 1px 2px;

*clockwise

#3. top | left & right | bottom

padding: 1px 2px 3px;

#4. top | right | bottom | left

padding: 1px 2px 3px 4px;

```
49  
50 button {  
51     border: 2px solid black;  
52     border-radius: 10px;  
53     padding-left: 25px;  
54  
55     padding-right: 25px;  
56  
57     background-color: yellow;  
58 /* padding: top right bottom left; */  
59  
60     padding: 10px 20px 15px 300px;  
61  
62     background-color: gray;  
63  
64  
65  
66  
67 }  
68
```



If left bottom can be 0;

Then



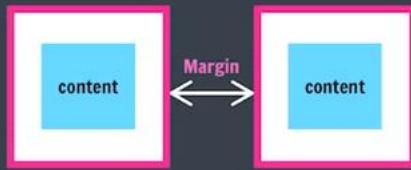
=====

=====

Class :7 Margin property

Margin

To set spacing on the **outside** of border



- margin-left
- margin-right
- margin-top
- margin-bottom

```
div {  
    margin-left: 50px;  
}
```

css

Margin Shorthand

#1. **for all 4 sides**

```
margin : 50px;
```

#2. **top & bottom | left & right**

```
margin : 1px 2px;
```

#3. **top | left & right | bottom**

```
margin : 1px 2px 3px;
```

*clockwise

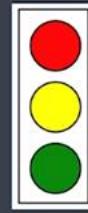
#4. **top | right | bottom | left**

```
margin : 1px 2px 3px 4px;
```

Class 08 :

Practice Qs

Recreate the following elements using given css:



- Create a div & 3 sibling divs inside it
- For the outer div set following styling
height 200px, width 70px and border as 2px solid black color

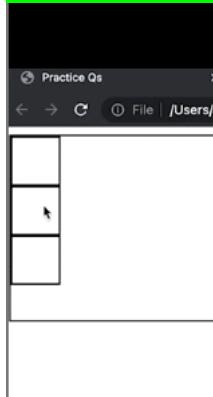
- For the outer divs set following styling
height 50px, width 50px and border as 2px solid black color
also set a margin of 10px
make inner divs circular in shape & given them individual colors (red, yellow & green)

08. Practice Qs.mp4

css



Without margin :

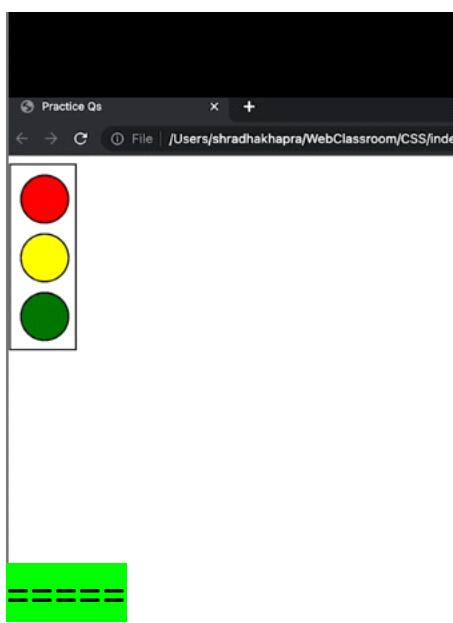


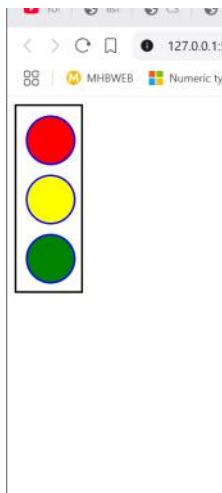
With margin :



A screenshot of a video conference interface. On the right, a woman with long dark hair is speaking into a microphone. On the left, a code editor window is open, showing CSS code for a traffic light. The code includes styles for an outer container (#outer), an inner square (.inner), and three colored divs (#red, #yellow, #green). A color palette dropdown is visible over the code editor, with 'green' highlighted in blue.

```
# style.css > #green
1  #outer {
2    height: 200px;
3    width: 70px;
4    border: 2px solid black;
5  }
6
7 .inner {
8   height: 50px;
9   width: 50px;
10  border: 2px solid black;
11  margin: 10px;
12  border-radius: 50%;
13 }
14
15 #red {
16   background-color: red;
17 }
18
19 #yellow {
20   background-color: yellow;
21 }
22
23 #green {
24   background-color: green;
```





A screenshot of a web browser window. The address bar shows the URL `127.0.0.1:5500/day_7_css/part_3/app`. The page content displays a traffic light graphic with three colored circles (red, yellow, green) arranged vertically. The browser interface includes a sidebar with file navigation and a code editor window on the right.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Practice question class 8</title>
    <link rel="stylesheet" href="style8.css">
</head>
<body>
    <div id="outer">
        <div class="inner" id="red"></div>
        <div class="inner" id="yellow"></div>
        <div class="inner" id="green"></div>
    </div>
</body>
</html>
```



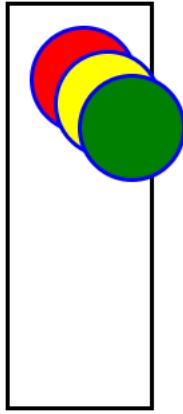
```
<link rel="stylesheet" href="style8.css">
</head>
<body>

    <div id="outer">

        <!--
            <div class="inner" id="red"></div>
            <div class="inner" id="yellow"></div>
            <div class="inner" id="green"></div>
        -->

        <div class="inner" id="red">
            <div class="inner" id="yellow">
                <div class="inner" id="green"></div>
            </div>/#green.inner
        </div>/#yellow.inner
    </div>/#red.inner

</div>/#outer
</body>
</html>
```



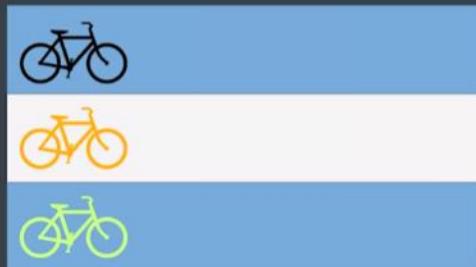
APNA
COLLEGE

Inline v/s Block

Block Elements

Takes up the full-width available (whole block)

Start from new line



TML

Inline Elements

Takes up only necessary width

Don't start from new line



09. Display Property.mp4

Display

It sets whether an element is treated as a block or inline element and the layout used for its children

display : inline

display : block

Try it

CSS Demo: display

RESET

display: block;

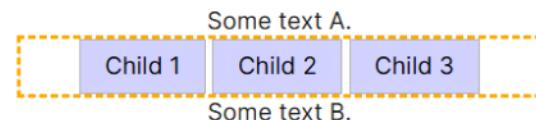
display: inline-block;

display: none;

display: flex;

display: grid;

► Apply different `display` values on the dashed orange-bordered div, which contains three child elements.



display: block;

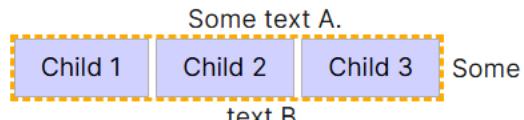
display: inline-block;

display: none;

display: flex;

display: grid;

► Apply different `display` values on the dashed orange-bordered div, which contains three child elements.



```
display: block;
```

```
display: inline-block;
```

```
display: none;
```

```
display: flex;
```

```
display: grid;
```

Apply different `display` values on the dashed orange-bordered `div`, which contains three child elements.

Some text A.

Child 1

Child 2

Child 3

Some text B.

it is heading 1

span no 1 span is two .
span is inline element . heading is block elemnt

span 709.33 x 36.67

span no 1 span is two .
span is inline element . heading is block elemnt

span 65.33 x 17.33

H2 element make inline element :

```

> day_6_css_part_2
  ↘ day_7_css_part_3.cpp      1
    < clas_8_practice_qs.ht...  2   h2{
    < class_9_inline_block_...  3   |   display: inline;
    < index.html               4   }
    # style6.css                5
    # style8.css                6

```

The browser window shows the following content:

```

< CSS > + 
File /Users/shradhakhapra/WebClassroom/CSS/index.html

Heading 1 Heading 2 Span 1 Span 2

html 563.43 x 43.71
Color #000000
Font 16px Times
====

it is heading 1 heading 2 it is
span no 1
span is two .

span is inline element . heading is block elemnt

```

Here, h1,h2 are inline eleemnt ,
Span are block element make.

The browser window shows the following content:

```

127.0.0.1:5500/day_7_cs...
MHBWEB Numeric types - SQ... LeetCode was HAR... All Bookmarks

it is heading 1 heading 2 it is
span no 1
span is two .

span is inline element . heading is block elemnt

```

====

The screenshot shows a browser window with the address bar containing "MHBWEB Numeric types - SQ... LeetCode was HAR... All Bookmarks". The main content area displays a heading "Random Heading" followed by a large block of lorem ipsum text. Within this text, several "INLINE SPAN" elements are scattered, each with a pink background color.

```

day_6_css_part_2
day_7_css_part_3.cpp
day_8_practice_qs.htm...
class_9_1_span.html
class_9_inline_block...
index.html
# style_9_1.css
# style6.css
# style8.css
# style9.css
day_8css_part_4.cpp
day_9css_part_5.cpp
day_10css_part_6.cpp

```

```

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   <link rel="stylesheet" href="style_9_1.css">
8 </head>
9 <body>
10
11 <h1> Random Heading</h1>
12
13 <div>Lorem ipsum dolor sit amet consectetur adipisicing elit. Non facilis omnis laborum ipsam similiqu...
14
15
16 </body>
17 </html>

```

=====

Inline span marge with the element

Here , take padding uper sider. Not below:

The screenshot shows a browser window with the address bar containing "127.0.0.1:5500/day_7_css... MHBWEB Numeric types - SQ... LeetCode was HAR... All Bookmarks". The main content area displays a heading "Random Heading" with a blue background. Below it is a pink box containing text. To the right, the browser's developer tools are open, showing the CSS code for the page. The CSS includes styles for the h1 element and its child span element.

```

APNA COL DEV COURSE C...
day_6_css_part_2
day_7_css_part_3.cpp
class_8_practice_qs.htm...
class_9_1_span.html
class_9_inline_block...
index.html
# style_9_1.css
# style6.css
# style8.css
# style9.css
day_8css_part_4.cpp
day_9css_part_5.cpp
day_10css_part_6.cpp

```

```

1 /* NOTE */
2
3 h1{
4   background-color: blue;
5 }
6 span {
7   background-color: pink;
8   border: 2px solid black;
9   height: 100px;
10  width: 200px;
11  padding : 50px;
12
13
14
15
16

```

When we delete or remove the background color: t

The screenshot shows a browser window with the address bar containing "MHBWEB Numeric types - SQ... LeetCode was HAR... All Bookmarks". The main content area displays a heading "Random Heading" with a blue background. Below it is a pink box containing text. To the right, the browser's developer tools are open, showing the CSS code for the page. The CSS includes styles for the h1 element and its child span element, with a note about the background color being removed.

```

class_8_practice_qs.htm...
class_9_1_span.html
class_9_inline_block...
index.html
# style_9_1.css
# style6.css
# style8.css
# style9.css
day_8css_part_4.cpp
day_9css_part_5.cpp
day_10css_part_6.cpp

```

```

3 /* NOTE */
4
5 h1{
6   background-color: blue;
7 }
8 span {
9   /* background-color: pink; */
10  border: 2px solid black;
11  height: 100px;
12  width: 200px;
13  padding : 50px;
14
15
16

```

Here, text is overlap top and bottom .

Padding just set: left and right side.

Margin: also set just right and left side.

Non facilis omnis laborum ipsum
similique quia magnam blanditiis ducimus possimus delectus fugit officiis, reprehenderit, sed,
soluta aut a odit eligendi aliquam.lorem

INLINE SPAN

Non facilis omnis laborum ipsum similique
quia magnam blanditiis ducimus possimus delectus fugit officiis, reprehenderit, sed, soluta aut a
odit eligendi aliquam.lorem

```
span {  
    /* background-color: pink */  
    border: 2px solid black;  
    height: 100px;  
    width: 200px;  
    padding: 50px;  
    margin: 50px;  
}
```

Here margin take space left and right side. (see: Non facilis line is take space left side)

But can't take space below and up side.

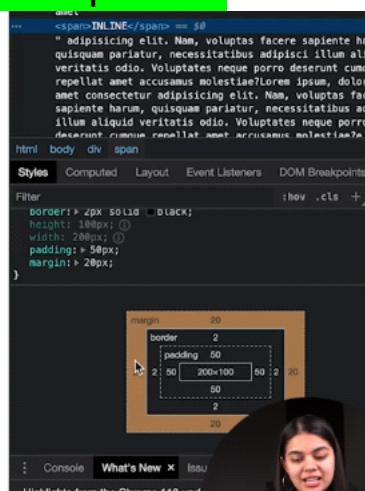
Non facilis omnis laborum ipsum
similique quia magnam blanditiis ducimus possimus delectus fugit officiis, reprehenderit, sed,
soluta aut a odit eligendi aliquam.lorem

INLINE

adipisicing elit. Nam, voluptas facere sapiente harum, quisquam id veritatis odio. Voluptates neque porro deserunt cumque repellat.lorem
elit. Nam, voluptas facere sapiente harum, quisquam paratur, is odio. Voluptates neque porro deserunt cumque repellat amet accusamus sectetur adipisicing elit. Nam, voluptas facere sapiente harum, quisquam id veritatis odio. Voluptates neque porro deserunt cumque repellat amet sit amet

INLINE

adipisicing elit. Nam, voluptas facere tibus adipisci illum aliquid veritatis odio. Voluptates neque porro deserunt ?Lorem ipsum, dolor sit amet consectetur adipisicing elit. Nam, voluptas necessitatibus adipisci illum aliquid veritatis odio. Voluptates neque porro molestiae?e sapiente harum, quisquam paratur, necessitatibus adipisci illum ro deserunt cumque repellat amet accusamus molestiae?Lorem ipsum, dolor voluptas facere sapiente harum, quisquam paratur, necessitatibus adipisci ie porro deserunt cumque repellat amet



Margin.

Random Heading

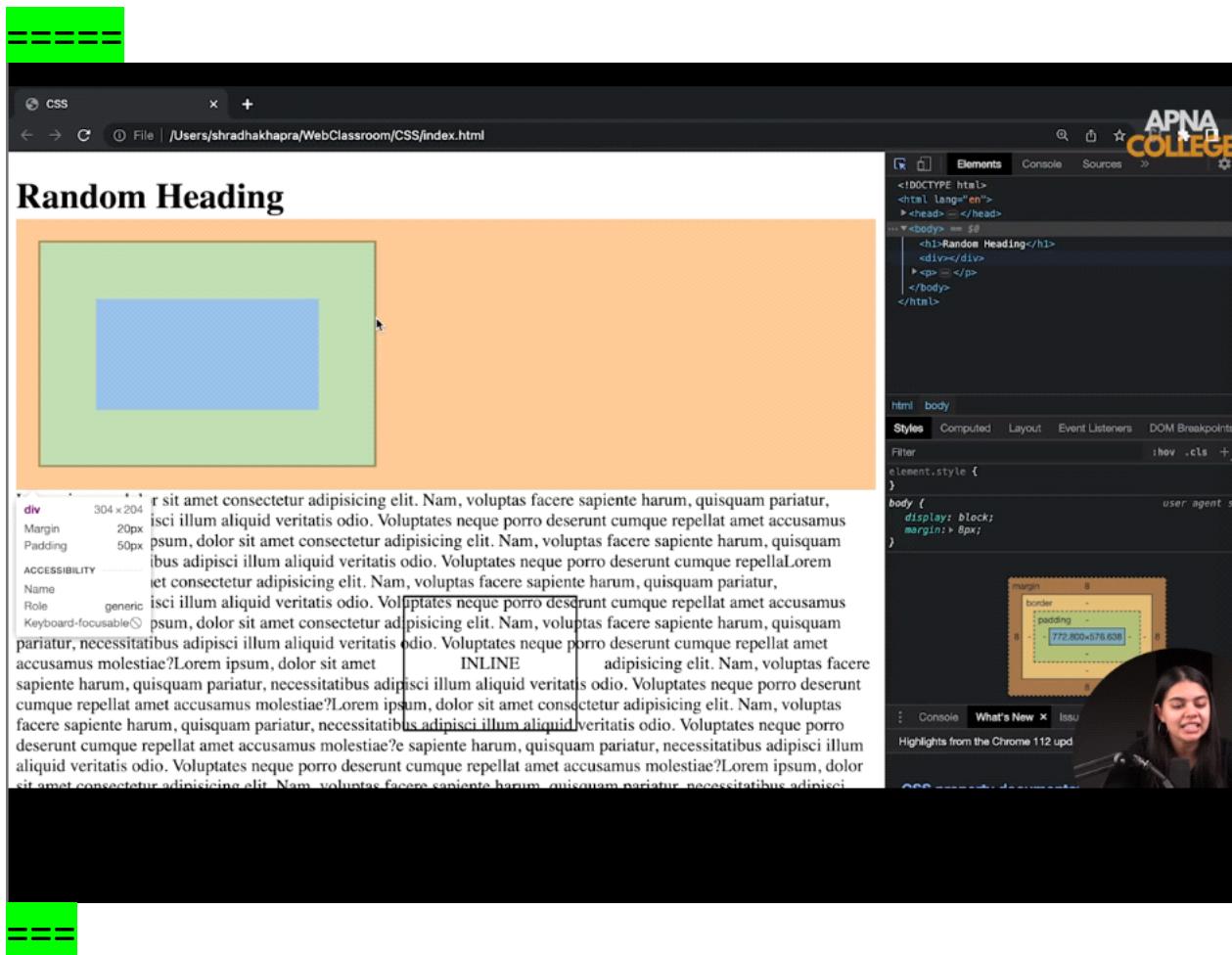
this is div

Non facilis omnis laborum ipsum
similique quia magnam blanditiis ducimus possimus delectus fugit officiis, reprehenderit, sed,
soluta aut a odit eligendi aliquam.lorem

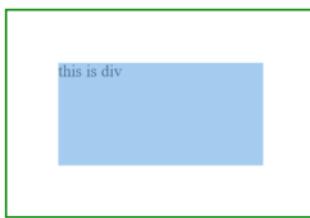
INLINE SPAN

Non facilis omnis laborum ipsum similique quia magnam
blanditiis ducimus possimus delectus fugit officiis, reprehenderit, sed, soluta aut a odit eligendi
aliquam.lorem

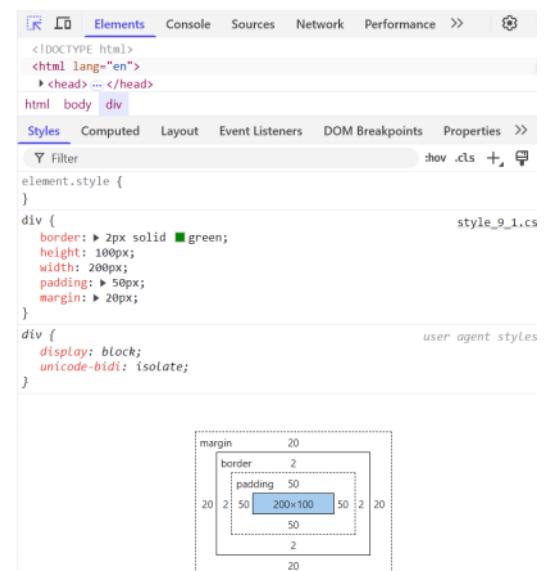
```
div {  
    /* NOTE */  
    /* h1 { */  
    /*     background-color: blue; */  
    /* } */  
    /* span { */  
    /*     background-color: pink; */  
    /* } */  
    border: 2px solid black;  
    height: 100px;  
    width: 200px;  
    padding: 50px; /* span take just L and Right padding */  
    margin: 20px; /* span take just L and Right margin */  
}  
  
div {  
    border: 2px solid green;  
    height: 100px;  
    width: 200px;  
    padding: 50px;  
    margin: 20px;  
}
```



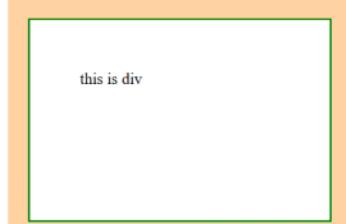
Random Heading



Lorem ipsum dolor sit amet consectetur adipisicing elit. Non facilis omnis laborum ipsam similique quia magnam blanditiis ducimus possimus delectus fugit officiis, reprehenderit sed, soluta aut a odit eligendi aliquam.lorem
 Lorem ipsum dolor sit amet consectetur adipisicing elit. INLINE SPAN
 Non facilis omnis laborum ipsam similique quia magnam blanditiis ducimus possimus delectus fugit officiis, reprehenderit, sed, soluta aut a odit eligendi aliquam.lorem



Random Heading



Non facilis omnis laborum ipsum similiquia
magnam blanditiis ducimus possimus delectus fugit officiis, reprehenderit
aliquam.loremLorem ipsum dolor sit amet consectetur adipisicing elit.
Non facilis omnis laborum ipsum similiquia magnam blanditiis ducimus possimus delectus fugit officiis,
reprehenderit, sed, soluta aut a odit eligendi aliquam.lorem

laborum ipsum similiquia
sed, soluta aut a odit eligendi
INLINE SPAN

```
<!DOCTYPE html>
<html lang="en">
  <head> ... </head>
<html> <body> <div>
```

element.style { } style_9_1.css:21

```
div {
  border: 2px solid green;
  height: 100px;
  width: 200px;
  padding: 50px;
  margin: 20px;
}
```

div {
 display: block;
 unicode-bidi: isolate;
}

user agent stylesheet

margin 20
border 2
padding 50
2 2 200x100 50 2 20
20 20
20 20

Random Heading



Non facilis omnis laborum ipsum similiquia
magnam blanditiis ducimus possimus delectus fugit officiis, reprehenderit
aliquam.loremLorem ipsum dolor sit amet consectetur adipisicing elit.
Non facilis omnis laborum ipsum similiquia magnam blanditiis ducimus possimus delectus fugit officiis,
reprehenderit, sed, soluta aut a odit eligendi aliquam.lorem

laborum ipsum similiquia
sed, soluta aut a odit eligendi
INLINE SPAN

```
<!DOCTYPE html>
<html lang="en">
  <head> ... </head>
<html> <body> <div>
```

element.style { } style_9_1.css:21

```
div {
  border: 2px solid green;
  height: 100px;
  width: 200px;
  padding: 50px;
  margin: 20px;
}
```

div {
 display: block;
 unicode-bidi: isolate;
}

user agent stylesheet

margin 20
border 2
padding 50
2 2 200x100 50 2 20
20 20
20 20



Screenshot of the Chrome DevTools Elements tab showing the DOM structure and a visual representation of the box model for a body element.

The DOM tree shows:

- <head> (empty)
- <body> == \$0
 - <h1> Random Heading

The Styles tab is selected, showing the following CSS rule:

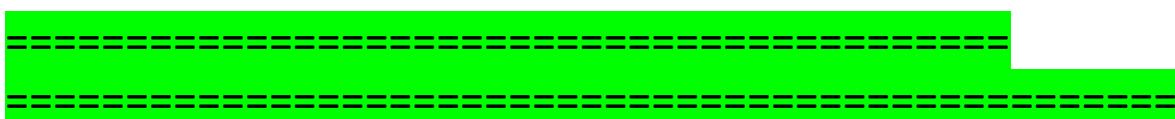
```
element.style {  
}  
  
body {  
    display: block;  
    margin: ▶ 8px;  
}
```

A user agent stylesheet is also listed.

A visual representation of the box model for the body element is shown below:

The diagram illustrates the box model with the following dimensions:

- Content: 709.333x372.104
- Margins: 8px (top, bottom, left, right)
- Border: - (not explicitly labeled with a value)
- Padding: - (not explicitly labeled with a value)



Class : 10 pdf

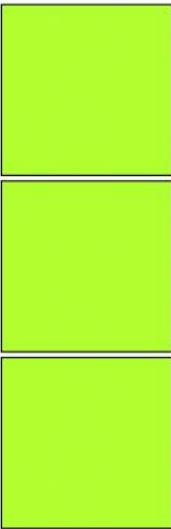
Block & Inline

Conclusions

BLOCK	INLINE
Always start on a new line	Do not start on a new line
Take up as much horizontal space as possible (the full width of the container or browser window if there is no container)	Only use as much horizontal space as required by the content. Do not accept width and height CSS properties
Will respect width and height CSS properties	Margins will work horizontally, but not vertically
Horizontal and vertical margins both work	Padding works on all sides, but the top and bottom may overlap other elements.

=====

Class : 11 inline and block



```

day_6.css_part_2
day_7.css_part_3.cpp
day_8.practice.qsp.htm
day_9_1_span.html
day_9_inline_block.html
day_11_inline_block.html
index.html
style_9_1.css
style6.css
style8.css
style10.css
style11.css
day_8css_part_4.cpp
day_9css_part_5.cpp
day_10css_part_6.cpp

```

```

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>CSS</title>
7.     <link rel="stylesheet" href="style11.css">
8.
9.
10.    </head>
11.    <body>
12.      <div></div>
13.
14.      <div></div>
15.
16.      <div></div>
17.
18.    </body>
19.  </html>

```

=====

--

A screenshot of a code editor showing a file tree on the left and a code editor on the right. The file tree includes files like day_7_css_part_3.cpp, clas_8_practice_qs.htm, class_9_1_span.html, class_9_inline_block..., class_11_inline_bloc..., index.html, style_9_1.css, style6.css, style8.css, style9.css, and style11.css. The code editor shows the following CSS snippet:

```
2 div{  
3     height: 200px;  
4     width: 200px;  
5     background-color: greenyellow;  
6     border: 2px solid black;  
7     margin: 5px;  
8 }  
9  
10  
11  
12 }
```

After when we write `display: inline`, then we see this problem :

A screenshot of a browser window showing the result of the CSS changes. The browser interface includes a sidebar with icons for file operations, a toolbar with various icons, and a navigation bar at the top. The address bar shows the URL 127.0.0.1:5500/day_11. The main content area displays a single line of text "Hello World". The browser's developer tools are visible on the right side.

Only 3 line are coming. (because margin top, bottom, height , width , can't work here).

How we can design in an inline element ?

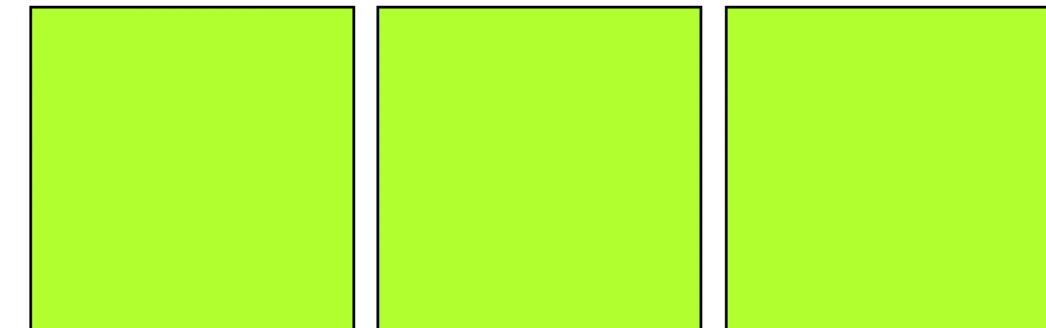
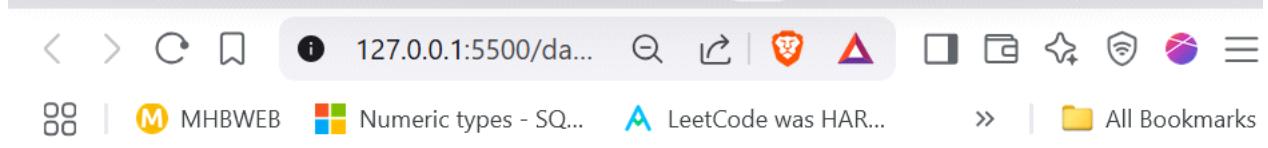
Answer:

We have to create: inline block.

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left lists files like style9.css, day_6_css_part_2, day_7_css_part_3.cpp, and style11.css. The main editor area displays the following CSS code:

```
div{  
    width: 200px;  
    background-color: greenyellow;  
    border: 2px solid black;  
    margin: 5px;  
    /* display: inline; */  
    display: inline-block;  
}
```

The code editor has syntax highlighting with yellow for comments and blue for the inline-block declaration. The status bar at the bottom shows settings like 'Spaces: 4', 'UTF-8', 'CRLF', and 'Port: 5500'.



Question: how to remove any div ?

Answer: we have to write display: none;

For remove any element.

For hiding any element from display we can set
display :none;

```
ay_7_css_part_3.cpp > # style11.css > #third
 2  div{
 9    border: 2px solid black;
10
11    margin:5px;
12
13    /* display: inline; */
14    display: inline-block;
15  }
16
17 ∵ #third {
18  display: none;
19 }
```

The screenshot shows a browser developer tools window with the following components:

- DOM Tree:** On the left, it shows the HTML structure with nodes like class_9_inline_block..., class_11_inline_bloc..., index.html, and various style files.
- CSS Styles:** The main pane displays the CSS code for the current page, including the styles for the `#third` element.
- Rendered View:** Below the code, the browser's rendering engine shows two large green boxes with black borders and margins. A horizontal dashed line is positioned below them.
- Address Bar:** The address bar shows the URL `127.0.0.1:5500/day_7_css_part_3.cpp`.
- Toolbar:** The top toolbar includes icons for Launchpad, Run Testcases, and various developer tools settings.
- Bottom Navigation:** The bottom navigation bar includes links for MHBWEB, Numeric types - SQ..., LeetCode was HAR..., and All Bookmarks.

Class: 12:

Units in CSS

Absolute

px

pt

pc

cm

mm

in

Relative

%

em

rem

ch

vh

vw + many more

CSS

Percentages (%)

It is often used to define a size as relative to an element's parent object.

eg:

width : 33.33% // relative to the parent

margin-left : 50% //relative to the parent size

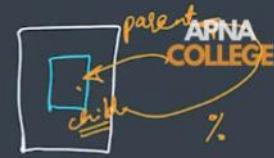
Percentages (%)

It is often used to define a size as relative to an element's parent object.

eg:

width : 33.33% // relative to the parent

margin-left : 50% //relative to the parent size



=====

```
/* Define the border of heading 1 */
h1{
    border: 2px solid black;
```

TAKE THE FULL WIDTH	OF heading	here.
=====		

Take 33% width of the h1 tag.

The screenshot shows a browser developer tools window. On the left, there's a sidebar with file navigation and a 'CSS' section containing 'day_8css_part_4.css'. The main area displays the following CSS code:

```
3
4 h1{
5     border: 2px solid black;
6     width:33%;
7 }
```

Below the code editor is a toolbar with various icons. The address bar shows the URL `127.0.0.1:5500/day_`. The page content area displays the word "HEADING" inside a red-bordered box.



The screenshot shows a browser developer tools window. The sidebar on the left has a 'CSS' section with 'day_8css_part_4.css'. The main area displays the following CSS code:

```
9
10 ∵ #outer {
11
12     height: 300px;
13     width: 300px;
14     background-color: pink ;
15 }
16
17 ∵ #inner {
18     height: 70px;
19     width: 70px;
20     background-color: chartreuse;
21 }
22
```

The screenshot shows a code editor interface with a sidebar containing file navigation icons and a list of files. The main area displays an HTML file with the following code:

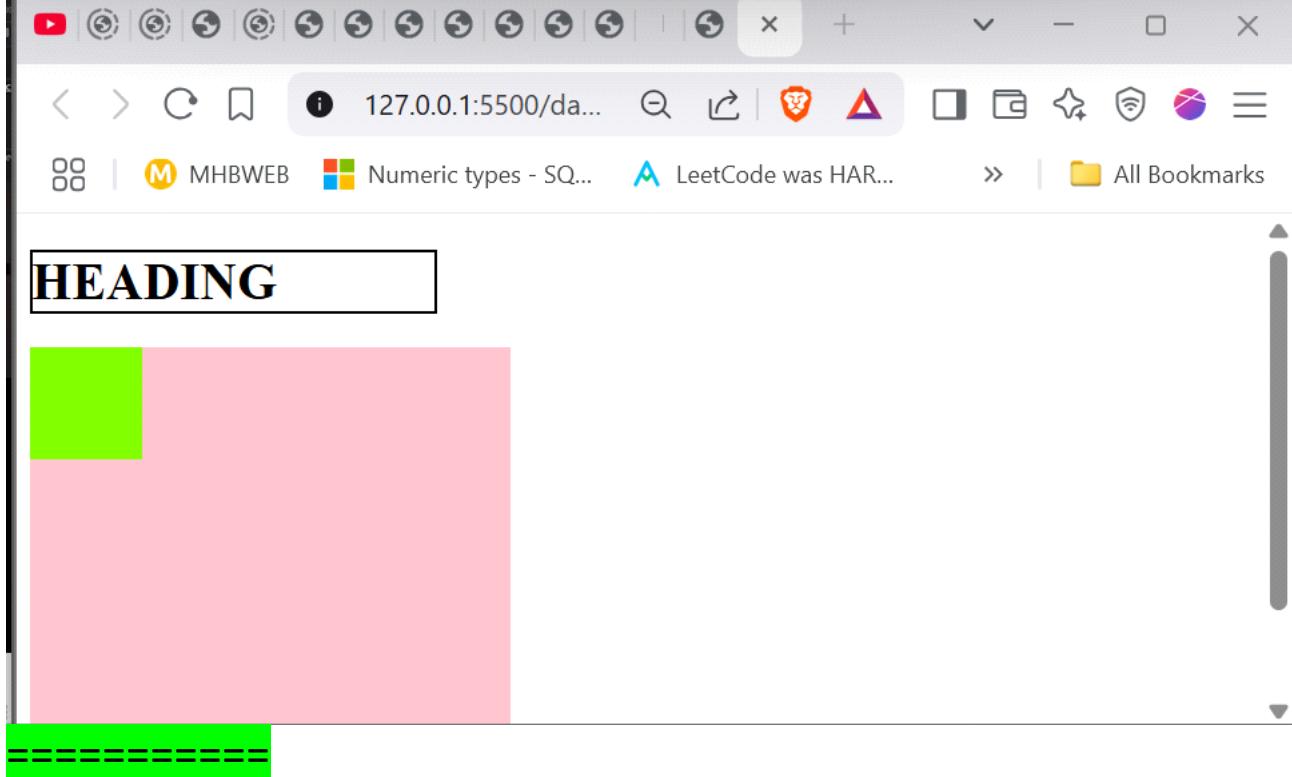
```
<html lang="en">
<body>
<div id="outer">
</div>#outer
<div id="inner">
</div>#inner
```

The code editor has tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, PORTS, and SPELL CHECKER. Below the editor is a terminal window showing the command `Launchpad` and the port `Port : 5500`. The browser preview window shows a pink rectangular area with a small green square at the bottom left corner.

Here div 2 are not nested

=====

Here div 2 are nested so output:



A screenshot of a web browser window. The address bar shows the URL `127.0.0.1:5500/day_7_css_part_3.html`. The page content consists of a large pink rectangular area with a black border. In the top-left corner of this pink area, there is a smaller green square. At the very bottom of the page, there is a thin green horizontal bar with a dashed pattern.

```
day_7_css_part_3.html
9 <body>
11 <h1> HEADING</h1>
12
13 <div id="outer">
14
15 <div id="inner">
16
17 </div>#inner
18 </div>#outer
```

PROBLEMS 46 OUTPUT DEBUG CONSOLE PORTS SPELL CHECKER 46 ... ^ X

OUTLINE TERMINAL DEBUG CONSOLE

Launchpad Run Testcases 0 Δ 0 46 UTF-8 CRLF HTML Port: 5500 http://127.0.0.1:55192 Prettier



A screenshot of a code editor showing a snippet of CSS code:

```
#inner {
    height: 10px;
    width: 10px;
    background-color: chartreuse;
    margin-left: 15%; /* 15% means = 60px margin takes */
}
```

It take margin left side:

The screenshot shows a developer's workspace with a code editor and a browser preview side-by-side.

Code Editor (VS Code):

- File Explorer:** Shows files like `day_6_css_part_2`, `day_7_css_part_3.cpp`, `clas_8_practice_qs.html`, etc.
- Editor:** Displays CSS code for `#outer` and `#inner` elements. The `#inner` element has a height of 100px, width of 100px, background-color of chartreuse, and a left margin of 10%.
- Terminal:** Shows the command `127.0.0.1:5500`.
- Bottom Status Bar:** Includes icons for Launchpad, Run Testcases, and Prettier.

Browser Preview (Microsoft Edge):

- Address Bar:** Shows the URL `127.0.0.1:5500/da...`.
- Content Area:** Displays a pink rectangular container with a green square centered inside it. Below the container is a green horizontal bar with five short black dashes.

The screenshot shows a development environment in VS Code and a browser window side-by-side.

VS Code Explorer:

- APNA COL DEV COURSE C...
- day_6_css_part_2
- day_7_css_part_3.cpp
- clas_8_practice_qs.ht...
- class_9_1_span.html
- class_9_inline_bloc...
- class_11_inline_bloc...
- class_12_Relative_un...
- index.html
- # style_9_1.css
- # style6.css
- # style8.css
- # style9.css
- # style11.css
- # style12.css

VS Code Editor:

```
9
10 #outer {
11     height: 400px;
12     width: 400px;
13     background-color: pink;
14     margin: 50px;
15 }
16
17
18 #inner {
19     height: 100px;
20     width: 100px;
```

Browser Header:

- Launchpad
- Run Testcases
- 0 Δ 0 46
- UTF-8 CRLF
- css
- Port: 5500
- http://127.0.0.1:5500
- Prettier

Browser Address Bar:

127.0.0.1:5500/da...

Browser Footer:

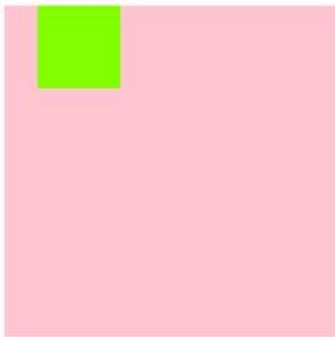
- MHBWEB
- Numeric types - SQ...
- LeetCode was HAR...
- All Bookmarks

Content Preview:

HEADING

A pink rectangular background with a green square centered in it. Below the pink area is a solid green horizontal bar.

HEADING



Elements Console Sources Network Performance > All

```
<head> ...
<body>
  <h1> HEADING</h1>
  ... <div id="outer" style="height: 400px; width: 400px; background-color: pink; margin: 50px; display: block; unicode-bidi: isolate;"></div>
  <!-- Code injected by live-server -->
  <script> ... </script>
</body>
</html>
```

Styles Computed Layout Event Listeners DOM Breakpoints Properties

element.style { }

#outer { height: 400px; width: 400px; background-color: pink; margin: 50px; display: block; unicode-bidi: isolate; }

div { }

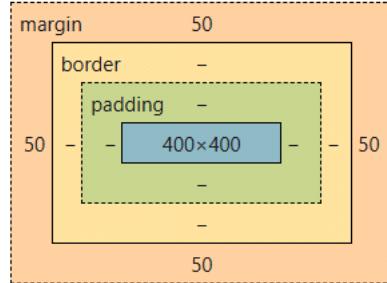
user agent style

Outer margin part

```
margin: 50px;
}

div {
  display: block;
  unicode-bidi: isolate;
}
```

user agent style



Margin 50px : outer.

====

Inner:

```

<h1> HEADING</h1>
▼<div id="outer">
...   <div id="inner"> </div> == $0
</div>
<!-- Code injected by live-server --&gt;
▶&lt;script&gt;...&lt;/script&gt;
&lt;/body&gt;
&lt;/html&gt;
</pre>


html body div#outer div#inner



Styles Computed Layout Event Listeners DOM Breakpoints P



Filter :hov

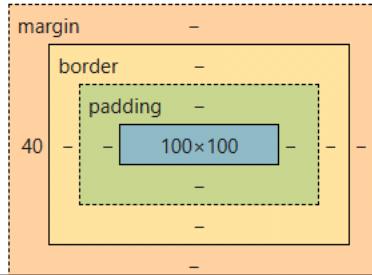


```

#inner {
 height: 100px;
 width: 100px;
 background-color: chartreuse;
 margin-left: 10%; *style
}
div { user
 display: block;
 unicode-bidi: isolate;
}

```


```



Here margin set=40 px which is 10% of the parent margin 400px .



Class 13: em



13 Em & Rem in Units.mp4 - VLC media player



Media Playback Audio Video Subtitle Tools View Help

APNA
COLLEGE

Em

Unit	Relative to
em	Font size of the parent, in the case of typographical properties like <code>font-size</code> , and font size of the element itself, in the case of other properties like <code>width</code> .



```
2 #outer{  
3  
4     height: 400px;  
5     width: 400px;  
6     border: 2px solid black;  
7  
8     font-size: 20px; /* by default all font-size will be  
9      same */  
10 }  
11  
12 /* we want inner div font-size will be change comparatively  
13 relationally with outer div */  
14  
15 #inner {  
16     width: 100;  
17     height: 100;  
18     background-color: greenyellow;  
19  
20     font-size: 2em; /* it means font size will be double  
21      of the outer id size . means here font-size= 20* 2 =40  
22      px.*/  
23 }  
24
```

00 | M MHBWEB | Numeric types - SQ... | A LeetCode was HAR... > | All Bookmarks

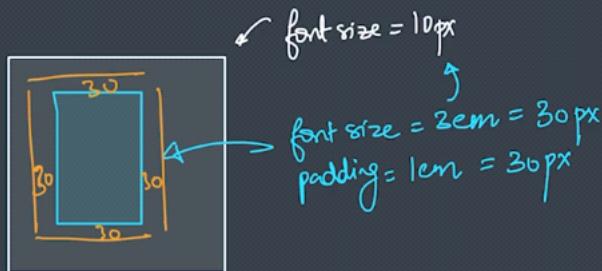
```
2 #outer{  
3  
4     height: 400px;  
5     width: 400px;  
6     border: 2px solid black;  
7  
8     font-size: 20px; /* by default all font-size will be  
9      same */  
10 }  
11  
12 /* we want inner div font-size will be change comparatively  
13 relationally with outer div */  
14  
15 #inner {  
16     width: 100;  
17     height: 100;  
18     background-color: greenyellow;  
19  
20     font-size: 2em; /* it means font size will be double  
21      of the outer id size . means here font-size= 20* 2 =40  
22      px.*/  
23 }  
24
```

Font size is double here.

=====

Em

Unit	Relative to
em	Font size of the parent, in the case of <u>typographical properties</u> like <code>font-size</code> , and font size of the element itself, in the case of other properties like <code>width</code> .

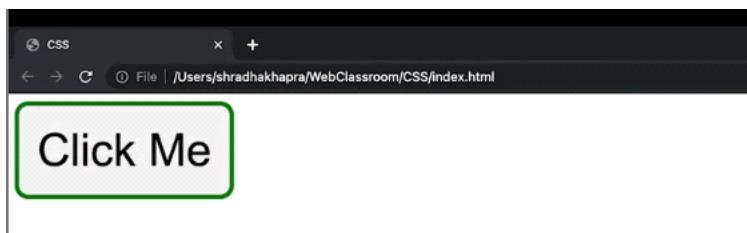


```
2 #outer{  
3     width: 400px,  
4     border: 2px solid black;  
5  
6     font-size: 20px; /* by default all font-size will be  
7     same */  
8 }  
9  
10 /* we want inner div font-size will be change comparatively  
11    relationally with outer div */  
12  
13 #inner {  
14     width: 100;  
15     height: 100;  
16     background-color: greenyellow;  
17  
18     font-size: 2em; /* it means font size will be double  
19        of the outer id size or parent size . means here  
20        font-size= 20* 2 =40 px.*/  
21  
22     padding: 1em; /* here 1em =40px . because its  
23        parent is inner id size: */  
24  
25     /* note: padding set : element er font size er  
26        respectively. Not set parent respectively.  
27  
28     */  
29  
30 }  
31  
32 }
```

Read below 2 line...../

====

```
30  
31  
32  
33 button {  
34     font-size: 50px;  
35     border-radius: 15px;  
36     border: 5px solid green;  
37  
38     padding-left: 20px;  
39     padding-right: 20px;  
40 }  
41  
42
```

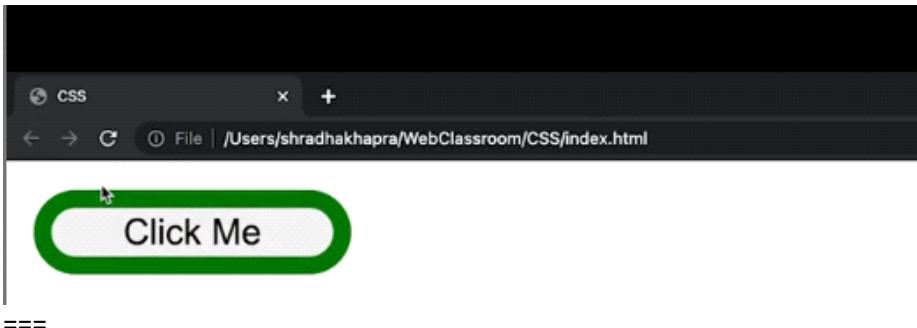


```
=====  
31  
32  
33 <button {  
34     font-size: 100px;  
35     border-radius: 15px;
```



When font size is 100px.

```
=====  
When font-size is 10px.
```



But we want : padding margin will change respectilvely.

Then ,

```
13     font-size: 3em;
14     padding: 1em;
15 }
16
17 button {
18     font-size: 50px;
19     border-radius: 15px;
20     border: 5px solid green;
21     padding-left: 1em;
22     padding-right: 1em;
23 }
24
```

1 em = 50px here.

=====

=====

Drawback of Em

Snowball effect in nested elements

The screenshot shows the browser's developer tools with the DOM tree and CSS panel open. The DOM tree on the left shows the structure: section > div1 > div2 > div3. The CSS panel on the right lists various CSS files and rules applied to these elements. The rule for div3 is highlighted:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>snow ball effects</title>
  </head>
  <body>
    <section>
      <div>
        <div>
          <div>
            <div>
              <div>
                <div>
                  <div>
                    <div>
                      <div>
                        <div>
                          <div>
                            <div>
                              <div>
                                <div>
                                  <div>
                                    <div>
                                      <div>
                                        <div>
                                          <div>
                                            <div>
                                              <div>
                                                <div>
                                                  <div>
                                                    <div>
                                                      <div>
                                                        <div>
                                                          <div>
                                                            <div>
                                                              <div>
                                                                <div>
                                                                  <div>
                                                                    <div>
                                                                      <div>
                                                                        <div>
                                                                          <div>
                                                                            <div>
                                                                              <div>
                                                                                <div>
                                                                                  <div>
                                                                                    <div>
                                                                                      <div>
                                                                                        <div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>
```

Font size when : 1em;

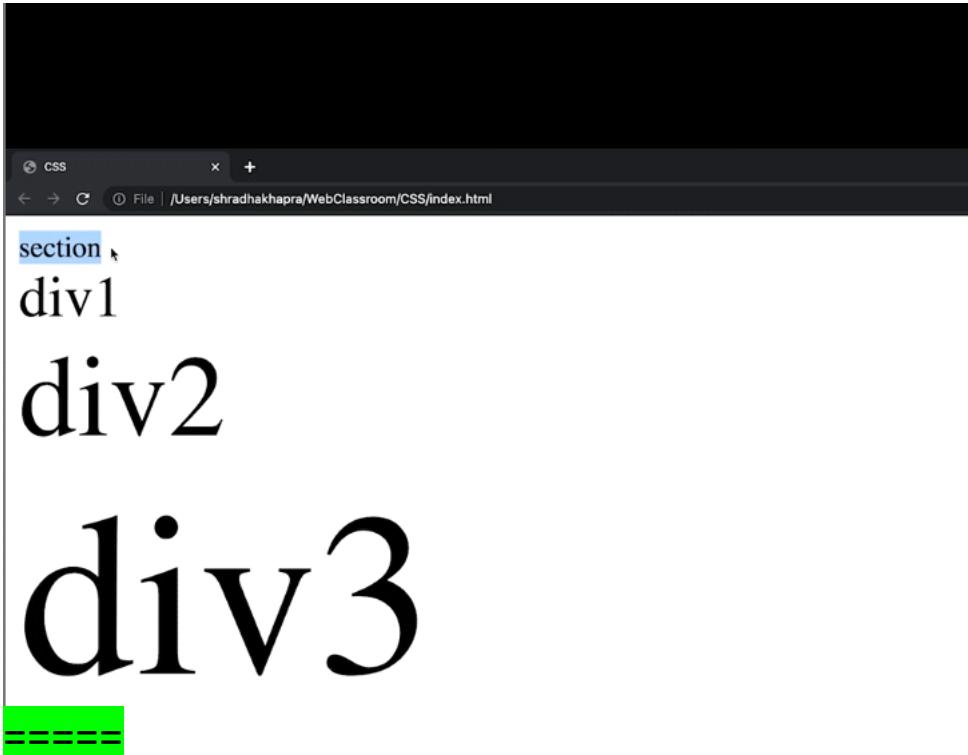
The screenshot shows a browser window displaying the rendered HTML. The text "section" is in a large font, while "div1", "div2", and "div3" are in smaller fonts, demonstrating the effect of the 1em font size.

```
section
div1
div2
div3
```

When 2em:

The screenshot shows a code editor with two tabs: "index.html" and "# style.css". The "# style.css" tab is active, showing the following CSS rule:

```
# style.css > div {
  font-size: 2em;
```



Solve this snow ball effect:

Rem (Root Em)

Unit	Relative to
rem	Font size of the root element.

ems → par / self
rems → root el

Diagram illustrating the snowball effect:

```
graph TD; section[section] --> div1[div]; div1 --> div2[div]; div2 --> div3[div]
```

Here root is section element.

====

When font-size: .5 rem;

A screenshot of a web browser window titled "CSS". The address bar shows the file path: "/Users/shradhakhapra/WebClassroom/CSS/". The page content consists of a single "section" element containing three nested "div" elements. The "section" element has a large font size, and its three children ("div1", "div2", "div3") have a smaller font size.

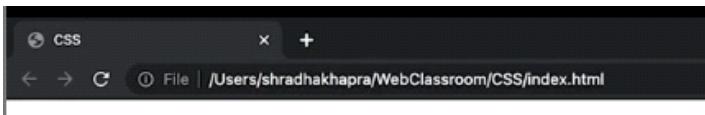
```
section
div1
div2
div3
```

=====

When font-size: 2rem;

A screenshot of a code editor showing a CSS file named "style.css". The file contains two rules: one for the "section" element setting the font size to 15px, and one for the "div" element setting the font size to 0.5rem. The code editor interface includes tabs for "index.html" and "# style.css".

```
# style.css > ⚙️ div
1   section {
2     font-size: 15px;
3   }
4
5   div {
6     font-size: 0.5rem;
7   }
8
```



section

div1

div2

div3

=====

Class 14: question pdf

CSS (Part 3)

Practice Questions

Qs1. Create a box using div. Set

- Its height to 150px, width to 300px and the background color to grey.
- Border to a 5px, black, dotted border.
- A top margin of 20px.
- A right margin of 1em.
- A bottom margin of 40px.
- A left margin of 2em.
- Padding on all sides of 1em.

Qs2. Create 3 divs with the following properties

- Height & Width of 100px
- Background color to pink
- Border to 2px solid black
- Make this div in the shape of circle
- Place all the 3 divs in a single line

Qs3. Create a list of technologies - HTML, CSS, JavaScript, NodeJS, ReactJS, SQL, MongoDB, Java, C++, C & Python.

Now change the display of all list items to inline to move them all in a single line.

Did you notice something different? Try to find why the bullet points disappear.

Our Telegram Channel : https://t.me/Delta_Apna_College_Web

Class 15: question answer

CSS (Part 3)

Practice Solutions

Ans 1

Inside HTML, create

```
<div id="box">My Box</div>
```

Inside CSS, write

```
#box {  
    height: 150px;  
    width: 300px;  
    background-color: grey;  
    border: 5px dotted black;  
    margin: 20px 1em 40px 2em;  
    padding: 1em;  
}
```

Ans 2

Inside HTML, create

```
<div class="box"></div>  
<div class="box"></div>  
<div class="box"></div>
```

Inside CSS, write

```
.box {
```

```
height: 100px;  
width: 100px;  
background-color: pink;  
border: 2px solid black;  
border-radius: 50%;  
display: inline-block;  
}
```

Ans 3

Inside HTML, create

```
<h1>Technologies</h1>  
<ul>  
    <li>HTML</li>  
    <li>CSS</li>  
    <li>JavaScript</li>  
    <li>NodeJS</li>  
    <li>SQL</li>  
    <li>MongoDB</li>  
    <li>ReactJS</li>  
    <li>Java</li>  
    <li>C++</li>  
    <li>C</li>  
    <li>Python</li>  
</ul>
```

Inside CSS, write

=====FINISH DAY -7