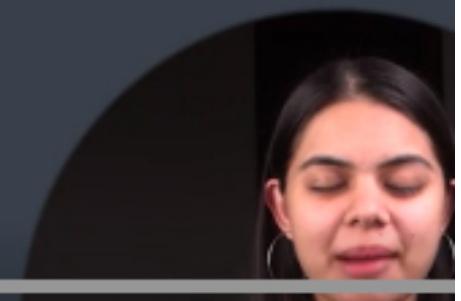
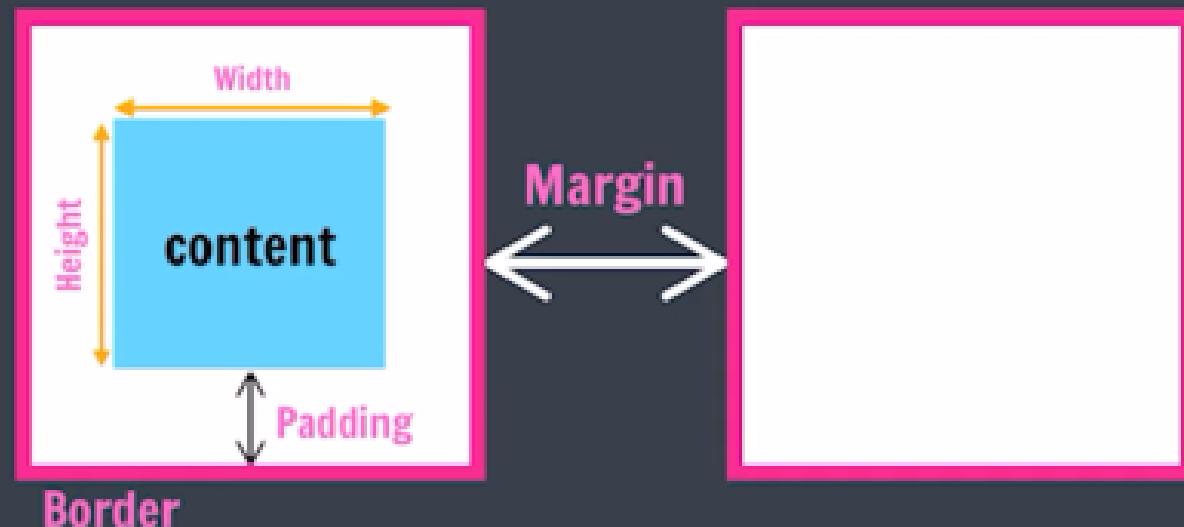


Intermediate CSS



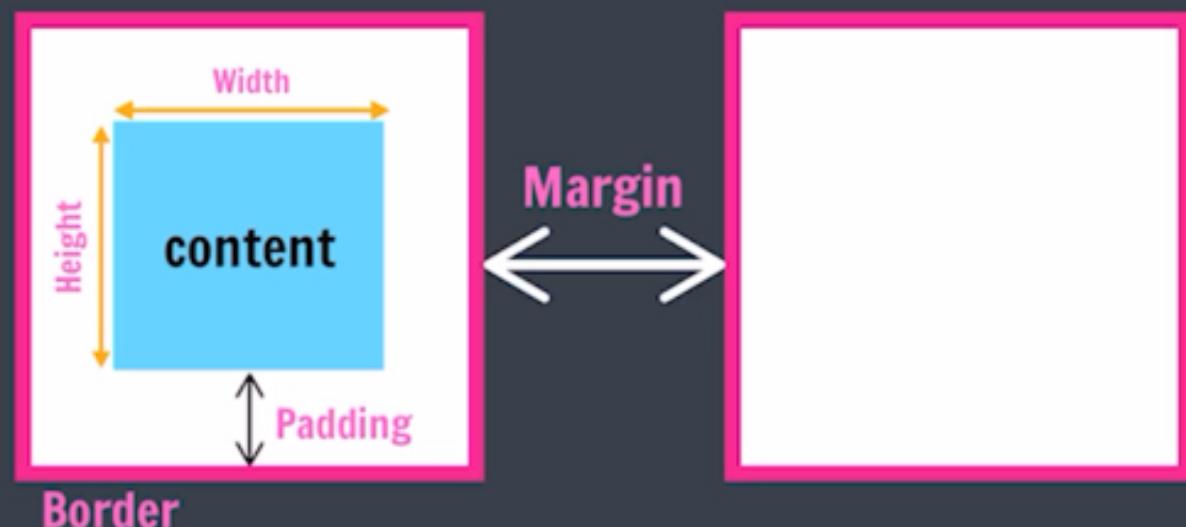
Box Model in CSS

- Height
- Width
- Border
- Padding
- Margin



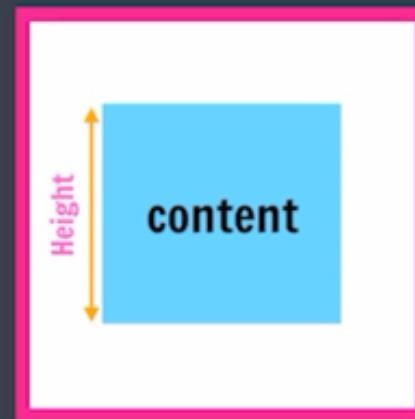
Box Model in CSS

- Height
- Width
- Border
- Padding
- Margin



Height

By default, it sets the **content area height** of the element



```
div {  
    height: 100px;  
}
```

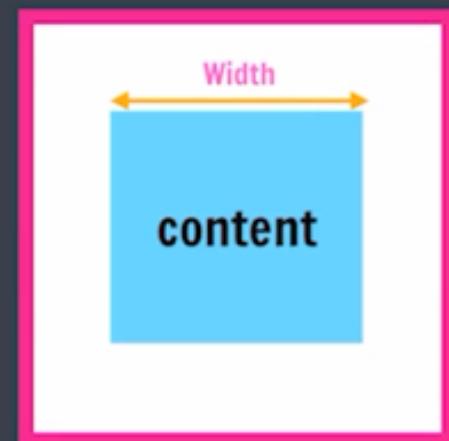
text
image
a
A
CO



Width

By default, it sets the **content area width** of the element

```
div {  
    width: 300px;  
}
```



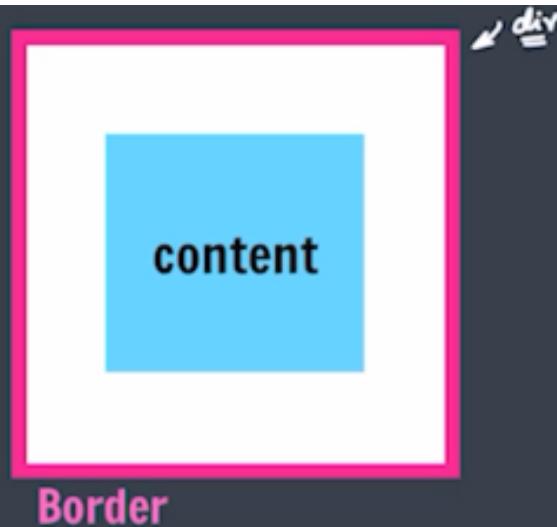
content

Border

Border

Used to set an element's border

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



Border Shorthand

width | style | color

```
div {  
    border: 2px solid blue;  
}
```

Border Sides

To control an **individual side** of the box



- border-left
- border-right
- border-top
- border-bottom

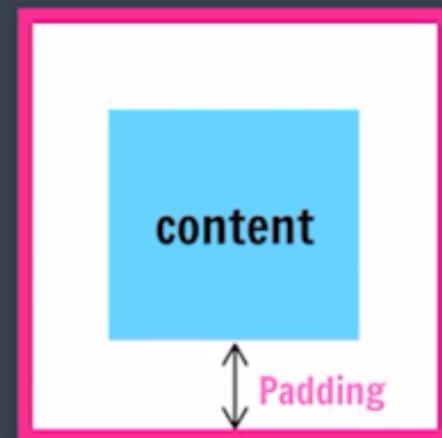
Border Radius

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

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

Padding

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



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

Padding Shorthand

#1. for all 4 sides

`padding: 50px;`

#2. top & bottom | left & right

`padding: 1px 2px;`

#3. top | left & right | bottom

`padding: 1px 2px 3px;`

*clockwise

#4. top | right | bottom | left

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

Margin

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



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

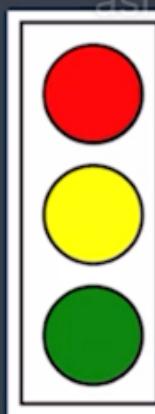
```
div {  
    margin-left: 50px;  
}
```

css



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)

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



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`



display: inline-block

elements style block
behave inline
=
single v

Units in CSS

Absolute

px

pt

pc

cm

mm

in

Relative

%

em

rem

ch

vh

vw + many more

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

```
<div>
  <div>
    </div>
  </div>
```



Em

COLL

Unit

Relative to

em

Font size of the parent, in the case of typographical properties like [font-size](#), and font size of the element itself, in the case of other properties like [width](#).

Drawback of Em

Snowball effect in nested elements



Rem (Root Em)

Unit	Relative to
rem	Font size of the root element.