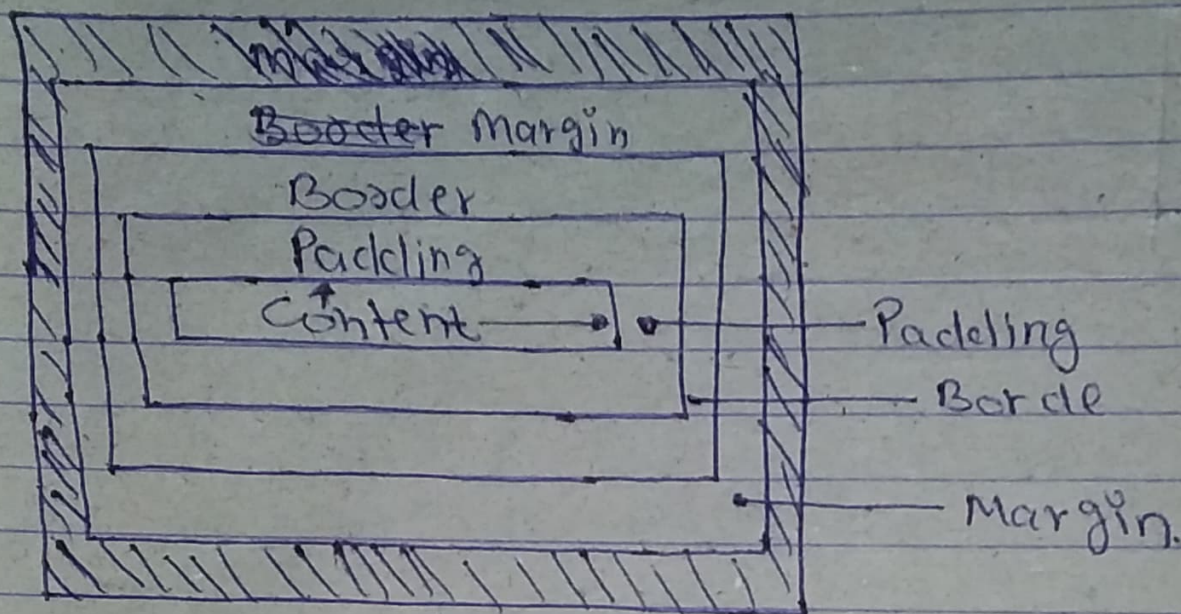


Chapter 3: CSS Box Model

The CSS box model looks at all the HTML elements as boxes.



Setting width and height

We can set width and height in CSS as follows

```
#box {
```

```
  height: 70px;
```

```
  width: 70px;
```

```
}
```

Note that the total width/height is calculated as follows.

Total height = height + Top/bottom padding + Top/bottom border + Top/bottom margin.

Setting margin and padding
we can set margin and padding as follows.

box {

margin : 3px;

padding : 4px;

}

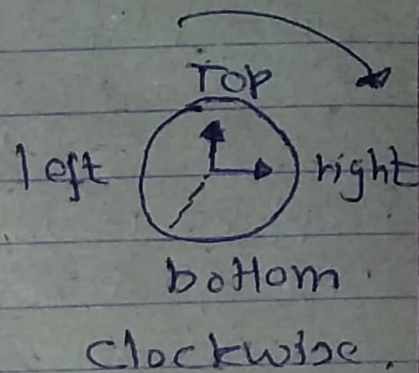
} sets top, bottom, left and right values.

box main {

margin : 7px 0px 2px 11px;

}

Top right bottom left



box last {

margin : 7px 3px;

}

Top n bottom left n right

"We can also set individual margins/paddings like this :

margin-top : 7px

margin-bottom : 3px

margin-left : 8px

margin-right : 9px

} Same goes with padding.

Setting Borders

We can set the border as follows.

div {

border-width : 2px

border-style : solid;

border-color : red;

}

} or just set border :
2px solid red;
(shorthand)

Border Radius

We can set border radius to create rounded borders

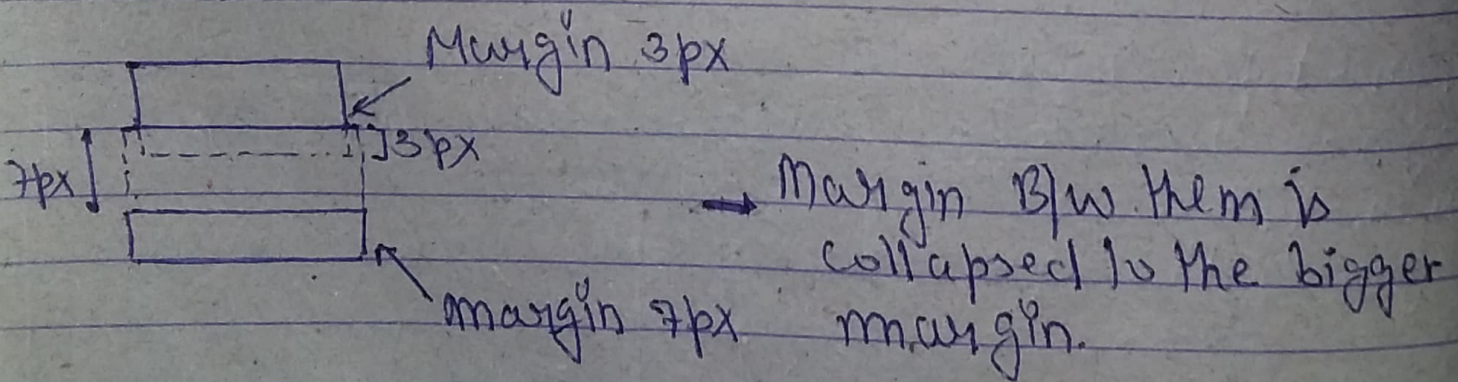
div {

border-radius : 7px;

}

Margin collapse

When two margins from different elements overlap, the equivalent margin is the greater of the two. This is called margin collapse.



Box Sizing

Determines what out of padding and border is included in elements width and height.
Can be content-box or border-box

↳ Include only content in width/height

```
div {  
  box-sizing: border-box;  
}
```

↳ The content width and ht.
Includes content + padding
+ border

----- x x x x x -----

- In CSS, the term "box model" is used when talking about design and layout.
- The CSS box model is essentially a box that wraps around every HTML element. It consists of: It consists of - margins, borders, padding and the actual content.
 - ① Content - The content of the box, where text and images appear
 - ② Padding - Clears an area around the content. The padding is transparent
 - ③ Border - A border that goes around the padding and content.
 - ④ Margin - Clears an area outside the border. The margin is transparent.

Note: CSS Treat all elements of HTML as a box.