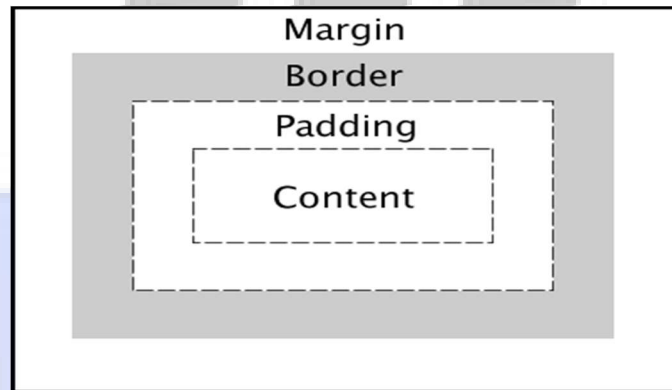# CHAPTER 4 – CSS BOX MODEL

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



## Setting Width & Height

We can set width & 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

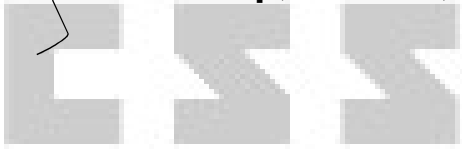# Setting Margin & Padding

We can set margin and padding as follows –

*e.g.- .box{*

    *margin:3px;* — **Sets top,bottom,left & right values**

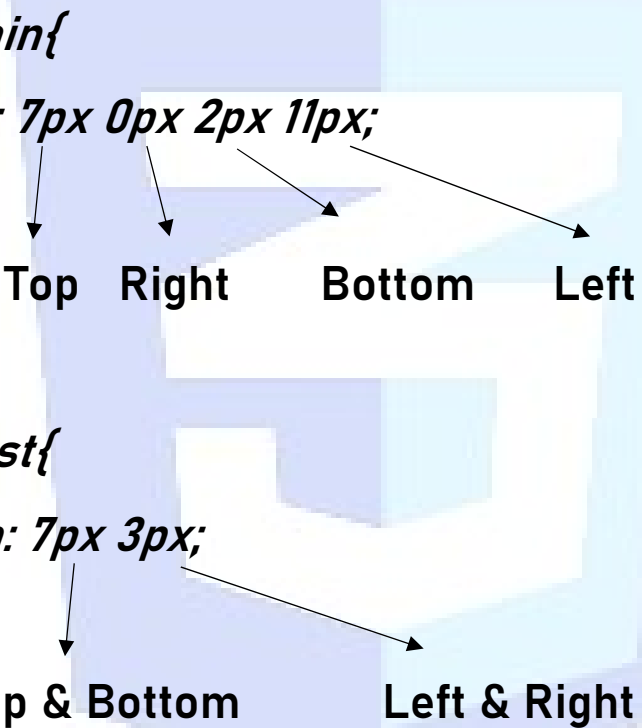    *padding:4px;*

*}*

    *.boxMain{*

*margin: 7px 0px 2px 11px;*

    **Top   Right    Bottom    Left**

*.boxLast{*

*margin: 7px 3px;*

*}*

    **Top & Bottom    Left & Right**

We can also set individual margins/paddings like this:

**Margin–top:70px**

**Margin–bottom:3px**

Margin-left:8px

Margin-right:9px

## Setting Borders

We can set the border as follows

e.g.- *.box{*

    *border-width:2px;*

    *border-style:solid;*      or just set border shorthand

    *border-color:red;*      :- 2px solid red;

    *}*

## Border Radius

We can set border radius to create rounded borders.
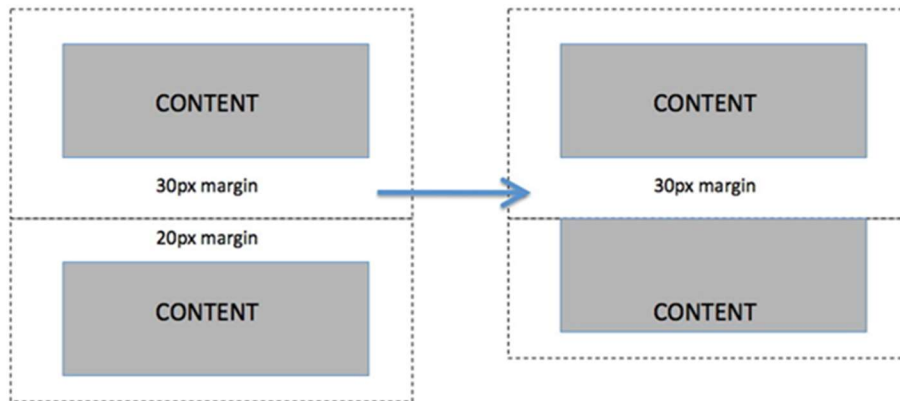
e.g.- *.div2{*

    *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 the padding & border is included in elements width & height

Can be content-box or border-box

Include only content in width/height

*e.g.- .div1{*

 *box-sizing:border-box;*

 *}*

The content width and height includes

Content + Padding + Border