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JavaScript 2.0 boot camp

Assignment: 4

A complete Guide to Box-model in CSS

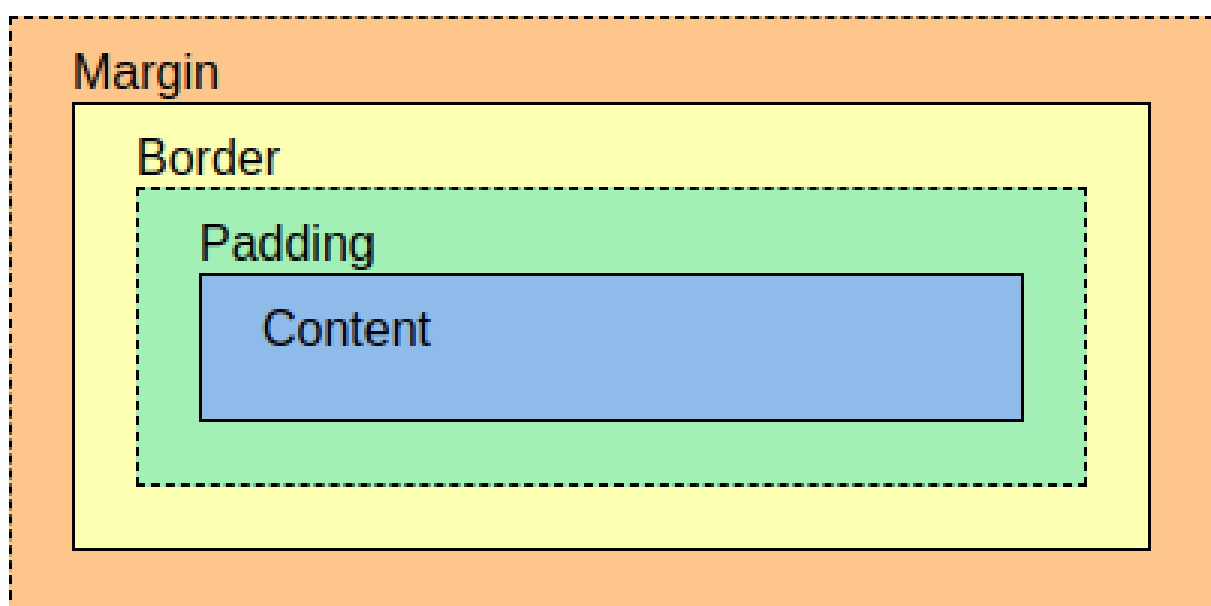
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Let me introduce you to the BOX model of CSS. This article is going to familiarise you with the BOX model of CSS.

◆ What is Box Model in CSS?

- Understanding of **Box model** in CSS is very important when we talk about the layouts of any page. The **Box model** gives the right understanding of page layouts to set Margins, Padding, Border, and Contents.
- We can say that the **Box model** is used to create the design and layouts of any page.
- Let us take an example with an image so that you can understand it properly.



Now in the picture, we can see clearly how the layout is given to any page. Where the margin is to take place. Where and how the border & padding is to be set and last how much space the content should be taken.

The main properties of the Box model are given below:

Margin: This property is used to create space around the element.

Padding: This is used to create space around the element.

Border: This property is used to cover the content.

Content: The content is used to display all the text and images.

Now we have a basic understanding that what is the Box model of CSS and now we are going to move into the depth of the Box model of CSS.

Setting height and width:

We can set height and width in CSS individually.

Syntax:

```
#box { //using id selector.  
  
    height: 20px;  
  
    width: 40px;  
  
}
```

Setting Margin and Padding:

We can set the margin and padding as follows.

Syntax:

```
.box { //using class selector  
  
    margin: 3px;  
  
    padding: 10px;  
  
    // sets top, bottom, left, and right values.  
  
}
```

We can also set the margin and padding individually like this:

```
margin-top: 40px;
```

```
margin-bottom: 20px;
```

```
margin-left: 10px;
```

```
margin-right: 39px;
```

The same goes for padding.

Setting Borders:

We can set the border as follows.

Syntax:

```
.box { // using the class selector.  
  
    border-width: 4px;  
  
    border-style: solid;  
  
    border-color: black;  
  
}
```

We can set border-radius also to create a rounded border.

i.e : **border-radius: 6px;**

Now we have done with the basics of the box model in CSS.

THANK YOU 😊