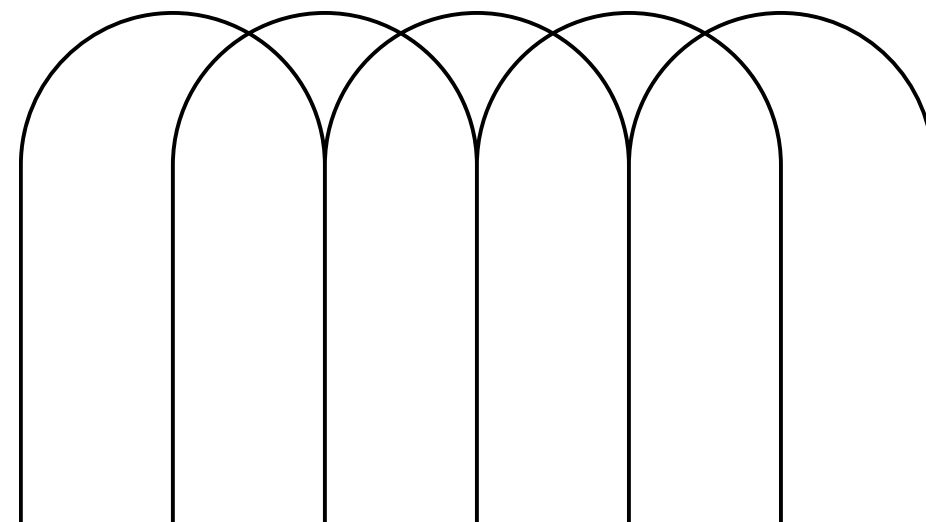


CSS Box Model



CSS Box Model

The CSS Box Model is a fundamental concept in web design that describes how elements are structured and spaced in a webpage. Every HTML element is treated as a rectangular box, and the Box Model defines the structure of that box.



CSS Box Model

Components of the CSS Box Model

1. Content:

- This is the actual content of the box (text, images etc.) and takes up a certain width and height based on the element's size.

2. Padding:

- It creates inner spacing around the content.

```
padding: 20px; /* adds 20px space on each side of the elements */
```

```
padding: 20px 30px; /* adds spaces of 20px on top & bottom and 30px on left and right of the element */
```

```
padding: 20px 30px 30px; /* adds spaces of 20px on top, 30px on left & right and 30px on bottom */
```

```
padding: 20px 30px 30px 40px; /* adds space as specified respective to top, right, bottom and left side of the element */
```

- We can also specify each individual side by using **padding-*** where * can be any of **top**, **right**, **bottom** & **left**.
- We can also use **padding-block** and **padding-inline** for **vertical** & **horizontal** spacing respectively.

CSS Box Model

Components of the CSS Box Model

3. Margin:

- It creates spaces outside of the content.

```
margin: 20px; /* adds 20px space on each side of the elements */
```

```
margin: 20px 30px; /* adds spaces of 20px on top & bottom and 30px on left and right of the element */
```

```
margin: 20px 30px 30px; /* adds spaces of 20px on top, 30px on left & right and 30px on bottom */
```

```
margin: 20px 30px 30px 40px; /* adds space as specified respective to top, right, bottom and left side of the element */
```

- We can also specify each individual side by using **margin-*** where * can be any of **top**, **right**, **bottom** & **left**.
- We can also use **margin-block** and **margin-inline** for **vertical** & **horizontal** spacing respectively.

CSS Box Model

Components of the CSS Box Model

4. Border:

- It adds a border around the content.
- **syntax:** border: border-width border-style border-color;
- We can also write each of these values separately as well as different for each side;

```
border: 1px solid red; /* adds a solid red line of 1px thickness around the element */
border-left: 1px solid green; /* adds a green border on left side of the element */
border-right-width: 4px; /* increases the border thickness of right side to 4px */
border-bottom-color: black; /* changes the bottom border to red color */
border-top-style: dashed; /* changes the top border style to appear as dashed line */
```

CSS Box Model

How Size is calculated

1. For Content Box

- Box width only includes content width, any border and/or padding is excluded

2. For Border Box:

- Box width includes content width + any border and/or padding

THANK YOU

PHONE NUMBER

(+91) 778 899 2897

WEBSITE

www.indixpert.com

