**CSS Borders**

Applying border to elements

**Shorthand**

border: width style color

**CSS border properties**

1. Border-bottom
2. Border-top
3. Border-left
4. Border-right
5. Border-radius
6. Border-width
7. Border-style
8. Border-left-color
9. Border-right-color
10. Border-top-color
11. Border-bottom-color
12. Border-top-left-radius
13. Border-top-right-radius
14. Border-bottom-left-radius
15. Border-bottom-right-radius
16. Border-left-style
17. Border-right-style
18. Border-top-style
19. Border-bottom-style
20. Border-collapse
21. Border-image

**Example:**

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Document</title>

     <style>

       .container

       {

        width:400px;

        height:200px;

        border:2px solid black;

        border-top-left-radius: 50px;

        border-bottom-right-radius: 50px;

       }

     </style>

</head>

<body>

    <div *class*="container">

    </div>

</body>

</html>

**Example:**

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Document</title>

     <style>

        table {

            border-collapse: collapse;

        }

     </style>

</head>

<body>

    <table border="3px" *width*="80%">

        <tr>

            <th>Rollno</th>

            <th>Name</th>

        </tr>

        <tr>

            <td>1</td>

            <td>Naresh</td>

        </tr>

        <tr>

            <td>2</td>

            <td>Suresh</td>

        </tr>

        <tr>

            <td>3</td>

            <td>Kishore</td>

        </tr>

    </table>

</body>

</html>

Border-block (shorthand)

Border-block-start-width

Border-block-start-style

Border-block-start-color

Border-block-end-width

Border-block-end-style

Border-block-end-color

**Example:**

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Document</title>

     <style>

        div {

            border-block-start-width: 5px;

            border-block-start-color: black;

            border-block-start-style: dotted;

            border-block-end-style: solid;

            border-block-end-width: 5px;

            border-block-end-color: red;

        }

     </style>

</head>

<body>

    <div>

        <span>HTML</span>

    </div>

</body>

</html>

**Box-shadow**

**Syntax:**

container

{

Box-shadow:x-pos y-pos color

}

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Document</title>

     <style>

        div {

            border:2px solid black;

            width:300px;

            height:200px;

            box-shadow:10px 10px gray;

        }

     </style>

</head>

<body>

    <div>

        <span>HTML</span>

    </div>

</body>

</html>

**Example:**

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Document</title>

     <style>

        img {

            border: 2px solid black;

            width:300px;

            height: 300px;

            box-shadow: 10px 10px blue;

        }

        p {

            border: 2px solid black;

            box-shadow:10px 5px blue ;

        }

     </style>

</head>

<body>

    <img *src*="images/kids-banner.avif"><br>

    <p>

        Hyper Text Markup Language

    </p>

</body>

</html>

**CSS Layouts**

**What is layout?**

Layout is organizing of elements or content within web page is called layout.

Grid

Flex

Block

Inline

Inline block

Default behaviour of elements two types

1. Inline
2. Block

Inline elements are organized in row with multiple columns

Block elements are organized in rows and column

Example of inline elements : span,a,img,...

Example of block elements : div,headers, p,...

**Example:**

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Document</title>

     <style>

        a {

            display:block;

            border:2px solid black;

            width:fit-content;

        }

        div {

            display:inline;

        }

     </style>

</head>

<body>

<a>Link1</a>

<a>Link2</a>

<a>Link3</a>

<div> <span>Division1</span></div>

<div> <span>Division2</span> </div>

<div> <span>Division3</span> </div>

</body>

</html>

**Inline-block**

Inline-block display property is used with inline elements

If inline element display property not inline-block the size cannot modified.

Syntax:

a{

width:100px;

height:150px;

display:inline-block;

}

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Document</title>

     <style>

        div {

            width:100%;

            border:2px solid black;

        }

        span {

            width:300px;

            height: 100px;

            display:inline-block;

            color:blue;

        }

     </style>

</head>

<body>

    <div *class*="container">

        <span>Span-1</span>

        <span>Span-2</span>

        <span>Span-3</span>

    </div>

</body>

</html>