**Html and CSS tutorial**

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# Basic Layout

<html>

    <head>

        <title>My first page</title>

    </head>

    <body>

        Hello World! this is my first program

    </body>

</html>

# Heading Tag

<html>

    <head>

        <title>Heading</title>

    </head>

    <body>

        <h1 >Heading Tag - 1</h1>

        <h2>Heading Tag - 2</h2>

        <h3>Heading Tag - 3</h3>

        <h4>Heading Tag - 4</h4>

        <h5>Heading Tag - 5</h5>

        <h6>Heading Tag - 6</h6>

    </body>

</html>

# Text Formatting Tag

<html>

    <head>

        <title>Heading</title>

    </head>

    <body>

        <h1>Text Formating Tags</h1>

        left

        center

        justify

        bold --> b

        <p align="center"> <b>Lorem</b> ipsum dolor sit amet consectetur adipisicing elit. Exercitationem, iure dolorem. Eius assumenda a neque laboriosam cupiditate laudantium soluta, dolorum repellendus asperiores omnis est rem debitis quisquam natus accusantium nobis eos? Eveniet explicabo exercitationem asperiores molestias aliquam fugit magni quia saepe provident sequi assumenda incidunt, alias laudantium ullam! Minima est error quisquam omnis aliquid, numquam illo incidunt asperiores perferendis maiores distinctio explicabo. Dicta sapiente, doloremque enim, quis aut at veritatis incidunt, impedit nesciunt aperiam debitis. Corrupti nulla ipsam ut ipsum veritatis culpa ex nobis quidem! Minima qui tempore quam reprehenderit voluptatum reiciendis eveniet, ullam maiores, dicta debitis consequuntur officiis dolores!

        </p>

        <b>Sathish</b>

        <br>

        <i>sathish</i>

        <br>

        <s>sathish</s>

        <br>

        <strong>sathish</strong>

        <br>

        <small>sathish</small>

        <tt>sathish</tt>

        <br>

        <u>sathish</u>

        <h1>H<sub>2</sub>O</h1>

        <h1>a<sup>2</sup>+b<sup>2</sup></h1>

        <pre>sathish

            developer</pre>

    </body>

</html>

# font tag

<html>

    <head>

        <title>FontTag</title>

    </head>

    <body>

        <h1>Font Tag</h1>

        <font face="algerian" size = '5' color = "red">

        <p>

            Lorem ipsum dolor sit amet consectetur adipisicing elit. Nesciunt, accusamus? Quo non accusamus, esse vitae fuga illum temporibus possimus. Aspernatur perferendis deleniti sit suscipit dicta itaque facilis ratione vel eligendi odio molestiae ea, eos eveniet temporibus excepturi ut hic nam nisi, iste corrupti voluptatibus. Quod placeat dolorum repellat facere officia iusto, suscipit, sint ea asperiores sequi nesciunt provident? Modi ut distinctio, reprehenderit itaque laboriosam ab. Aliquam quo cupiditate magnam obcaecati ad! Nulla blanditiis iure deserunt quasi impedit sapiente inventore placeat, corporis aperiam quibusdam itaque alias veniam quia iusto aliquid, omnis animi. Blanditiis illum magni deserunt esse harum provident molestiae ullam.

        </p>

        </font>

    </body>

</html>

# Image Tag

<html>

    <head>

        <title>Image tag</title>

    </head>

    <body>

        <h1>Image tag in HTML</h1>

        <img src="green.jpg" alt = 'no image green' height="200px" width="200px">

    </body>

</html>

# Table tag

<html>

    <head>

        <title>Table tag</title>

    </head>

    <body>

        <h1>Table tag</h1>

        <table border="5px" cellpadding = "10px" cellspacing = "10px">

            <tr>

                <td colspan="2"> Student List</td>

            </tr>

            <tr>

                <th>SNO</th>

                <th>Name</th>

            </tr>

            <tr>

                <td>sathish</td>

                <td>17</td>

            </tr>

        </table>

        <h1>OtherTable</h1>

        <table border="2px" cellpadding = "10px" cellspacing ="10px">

            <tr>

                <td colspan="6"><h1>School Time Table</h1></td>

            </tr>

            <tr>

                <th>DAYS</th>

                <th>1</th>

                <th>2</th>

                <th rowspan="6">B<br>R<br>E<br>A<br>K</th>

                <th>3</th>

                <th>4</th>

            </tr>

            <tr>

                <td>MON</td>

                <td>ENG</td>

                <td>TAM</td>

                <td>MAT</td>

                <td>SCI</td>

            </tr>

            <tr>

                <td>TUE</td>

                <td>ENG</td>

                <td>TAM</td>

                <td>MAT</td>

                <td>SCI</td>

            </tr>

            <tr>

                <td>WED</td>

                <td>ENG</td>

                <td>TAM</td>

                <td>MAT</td>

                <td>SCI</td>

            </tr>

            <tr>

                <td>THU</td>

                <td>ENG</td>

                <td>TAM</td>

                <td>MAT</td>

                <td>SCI</td>

            </tr>

            <tr>

                <td>FRI</td>

                <td>ENG</td>

                <td>TAM</td>

                <td>MAT</td>

                <td>SCI</td>

            </tr>

        </table>

    </body>

</html>

# List tag

<html>

    <head>

        <title>lIST TAG</title>

    </head>

    <body>

        <h1>List Tag</h1>

        <!--

            unorder list type

            disc

            square

            circle

        -->

        <ul type = "dsic">

            <li>Item-1</li>

            <li>Item-2</li>

            <li>Item-3</li>

            <li>Item-4</li>

            <li>Item-5</li>

        </ul>

        <!--

            order list type

            a

            A

            i

            I

        -->

        <ol type = "i">

            <li>Item-1</li>

            <li>Item-2</li>

            <li>Item-3</li>

            <li>Item-4</li>

            <li>Item-5</li>

        </ol>

    </body>

</html>

# Marquee tag

<html>

    <head>

        <title>Marquee tag</title>

    </head>

    <body>

        <h1>Marquee tag in HTML</h1>

        <!--

            Used in Animation

        -->

        <!--

            direction

                left is default

                right

                up

                down

            behaviour

                scroll is default

                slide

                alternate

        -->

        <marquee bgcolor = "orange" height ="50px" width = "300px" loop = "4"

        behavior="alternate" direction="left" scrollamount="10" scrolldelay = "50">

            <img src="green.jpg" alt="">

        </marquee>

    </body>

</html>

# Anchor tag

<html>

    <head>

        <title>Anchor Tag</title>

    </head>

    <body>

        <h1>Anchor Tag</h1>

        <!--hyberlink refernces-->

        <!--target

            self is default

            \_blank

        -->

        <a href="07\_ListTag.html" target = "box">List Tag</a>

        <a href="08\_MarqueeTag.html" target = "\_blank">Marquee</a>

        <a href="02\_HeadingTag.html" >heading</a>

        <iframe src="" name="box" frameborder="0" height = "500px" width="500px">

        </iframe>

        <iframe width="560" height="315" src="https://www.youtube.com/embed/Oes56FoYABc" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>

    </body>

</html>

# Form elements

<html>

    <head>

        <title>Forrm elements</title>

    </head>

    <body>

        <h1>Form elements in html</h1>

        <fieldset>

            <legend>Registration Form</legend>

            <form >

                <label >Name</label>

                <input type="text">

                <br>

                <hr>

                <label >Password</label>

                <input type="password">

                <!--Combo Box-->

                <label >Select Course</label>

                <select >

                    <option value="1">C</option>

                    <option value="2">C++</option>

                    <option value="3">Java</option>

                </select>

                <select multiple>

                    <option value="1">C</option>

                    <option value="2">C++</option>

                    <option value="3">Java</option>

                </select>

                <br>

                <input type="date">

                <br>

                <textarea cols="30" rows="5"></textarea>

                <br>

                <!--name = "Gender" is common name -->

                <input type="radio" name = "Gender">Male

                <input type="radio" name = "Gender">Female

                <br>

                <input type="checkbox">I agree

                <br>

                <input type="file">

                <br>

                <input type="file" multiple>

                <br>

                <input type="submit">

                <br>

                <button>Save</button>

                <br>

                <input type="button">

                <br>

                <input type="color">

                <br>

                <input type="range">

            </form>

        </fieldset>

    </body>

</html>

**CSS complete tutorial**

# What is CSS ?

CSS – Cascading Style Sheet

Style sheets are a collection of formatting rules

# Structure of CSS

A CSS rule-set consists of a selector and a declaration block. A style rule is made of three parts :

***Selector***

A selector is an HTML tag at which a style will be applied.

***Property***

A property is a type of attribute of HTML tag. Put simply, all the HTML attributes are converted into CSS properties.

***Value***

Values are assigned to properties.

***Syntax***

***selector { property : value ; }***

##### Example

**h1**{**color**:blue;}

# How to link CSS rules in websites ?

Three types to link CSS rules in website

* **Inline style** (Inside the tag to style)
* **Internal style** (Inside the head tag)
* **External style** (External \*.CSS file)

# Inline style

Inline – CSS rules by using style attribute in HTML elements

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

</head>

<body>

    <p style="color:orange;text-align: justify;">

    Lorem ipsum dolor, sit amet consectetur adipisicing elit. Voluptate voluptates rem eveniet,

    quo tempora architecto iste eligendi dolorem reiciendis quas accusantium repellat illum

    libero odit exercitationem.Voluptates rerum, expedita laudantium ipsa minima repellat?

    Sequi quo inventore sapiente voluptas rerum, porro quidem commodi earum consequuntur

    laudantium! In facere ullam voluptas deserunt.Perferendis delectus corrupti amet minima!

    Veritatis hic obcaecati enim.

    Lorem ipsum dolor, sit amet consectetur adipisicing elit. Voluptate voluptates rem eveniet,

    quo tempora architecto iste eligendi dolorem reiciendis quas accusantium repellat illum

    libero odit exercitationem.Voluptates rerum, expedita laudantium ipsa minima repellat?

    Sequi quo inventore sapiente voluptas rerum, porro quidem commodi earum consequuntur

    laudantium! In facere ullam voluptas deserunt.Perferendis delectus corrupti amet minima!

    Veritatis hic obcaecati enim.

    </p>

    <hr>

    <p style="color:orange;text-align: right;">

    Lorem ipsum dolor, sit amet consectetur adipisicing elit. Voluptate voluptates rem eveniet,

    quo tempora architecto iste eligendi dolorem reiciendis quas accusantium repellat illum

    libero odit exercitationem.Voluptates rerum, expedita laudantium ipsa minima repellat?

    Sequi quo inventore sapiente voluptas rerum, porro quidem commodi earum consequuntur

    laudantium! In facere ullam voluptas deserunt.Perferendis delectus corrupti amet minima!

    Veritatis hic obcaecati enim.

    Lorem ipsum dolor, sit amet consectetur adipisicing elit. Voluptate voluptates rem eveniet,

    quo tempora architecto iste eligendi dolorem reiciendis quas accusantium repellat illum

    libero odit exercitationem.Voluptates rerum, expedita laudantium ipsa minima repellat?

    Sequi quo inventore sapiente voluptas rerum, porro quidem commodi earum consequuntur

    laudantium! In facere ullam voluptas deserunt.Perferendis delectus corrupti amet minima!

    Veritatis hic obcaecati enim.

    </p>

</body>

</html>

# Internal

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <style>

        h1{

*color*:red;

*background*: black;

        }

        p{

*color*:blue;

        }

    </style>

</head>

<body>

    <h1>Internal Style</h1>

    <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui, placeat eius!

    Error deserunt eaque sed non, laboriosam quaerat veritatis veniam possimus?

    Facilis corporis quae at alias esse optio sint dignissimos.</p>

    <h1>Internal Style</h1>

</body>

</html>

# External

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <!--rel - relative-->

    <link rel="stylesheet" href="03(1)style.css" type="text/css">

</head>

<body>

    <h1>External Style</h1>

    <p>

      Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos.

    </p>

</body>

</html

## CSS file

h1{

*color*:blue;

}

p{

*color*:red;

}

# Font Properties

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

        h1{

*font-family*: 'Pacifico', cursive;

*font-weight*:normal;

*font-variant*: small-caps;

*color*:rgb(0, 255, 17);

        }

        p{

*font-style*:italic;

*font-size*: 25px;

        }

        span{

*font*: bold 12pt Arial;

            /\* font-weight: bold;

            color: aqua; \*/

        }

    </style>

</head>

<body>

    <h1>CSS Font Properties</h1>

    <p>

      <span>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      </span>veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos.Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos.

    </p>

</body>

</html>

# Background Properties

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

    html{

*background*:white;

    }

    body{

        /\* url - uniform resource locator \*/

*background*: teal;

*background-image*: url(*tom.png*);

*color*:black;

*background-repeat*: no-repeat;

        /\* background-repeat: repeat-x;  \*/

        /\* background-repeat: repeat-y; \*/

*background-size*: 300px 300px;

        /\* bottom center \*/

*background-position*: bottom;

        /\* to cover the image in case small image \*/

*background-size*: cover;

*height*: 800PX;

*width*: 800px;

    }

    h1{

*font-family*: 'Pacifico', cursive;

*font-weight*:normal;

*font-variant*: small-caps;

*color*:yellow;

    }

    p{

*font-style*:italic;

*font-size*: 25px;

    }

    span{

*font*: bold 12pt Arial;

    }

    </style>

</head>

<body>

    <h1>Background Properties</h1>

    <p>

      <span>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      </span>veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos.Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos.

    </p>

</body>

</html>

# Background size properties

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

   div{

*width*: 900px;

*height*: 500px;

    /\* background-color: teal; \*/

*background*: teal url(*jerry.png*) no-repeat;

    /\* default property \*/

*background-size*: auto;

*background-size*: 200px;

    /\* width    height \*/

*background-size*: 400px 200px;

    /\* Some issue is created \*/

*background-size*: 100%;

    /\* solution \*/

*background-size*: cover;

*background-size*: contain;

*padding*: 10px;

   }

    </style>

</head>

<body>

    <h1>Background Size in CSS</h1>

    <div>

    <p>

      Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos.Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      veniam possimus? Facilis corporis quae at alias esse optio sint

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    </p>

</div>

</body>

</html>

# Background attachments

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

        div{

*color*: khaki;

*font-size*: 25px;

*font-weight*: bold;

*padding*: 10px;

*background*: aliceblue url(*natural.webp*) no-repeat;

*background-size*: contain;

            /\* Scroll - default \*/

*background-attachment*: scroll;

*background-attachment*: fixed;

        }

    </style>

</head>

<body>

    <h1>Background attachment in CSS</h1>

    <div>

    <p>

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      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos. Lorem ipsum dolor sit amet consectetur adipisicing elit. Possimus et nemo necessitatibus repudiandae repellendus, culpa ducimus quisquam. Tempora nulla modi quo. Dolor quidem aspernatur ex sed tempore? Deleniti maiores ut nostrum officiis minus culpa. Ratione nobis impedit magnam aliquid fugit consectetur nemo illo necessitatibus suscipit soluta natus cumque adipisci accusantium explicabo expedita odit quo possimus facilis deleniti et quisquam, magni eligendi modi? Exercitationem veritatis iusto dolore at eius sunt sit ea autem adipisci alias temporibus maxime voluptates repellendus a, laborum cupiditate nisi dicta atque ut magnam. At, sint error. Delectus reiciendis voluptatibus provident quae praesentium consequuntur illo libero, suscipit numquam aliquid voluptates quia perspiciatis rerum doloribus. A tenetur iusto molestiae, facilis natus error. Delectus quaerat quisquam consequuntur libero blanditiis temporibus necessitatibus impedit sapiente! Necessitatibus doloribus dolor amet beatae ipsam voluptas, eligendi animi excepturi et ducimus saepe esse distinctio ex sequi asperiores quaerat labore deserunt neque fuga facere doloremque eveniet voluptatibus deleniti accusamus. Consequuntur explicabo, labore adipisci aut inventore sit, molestias cum nobis quam sint recusandae quos eos ducimus vitae corporis laboriosam accusantium, a nostrum cupiditate? Cum quam ipsam facilis quas quaerat enim eos adipisci quisquam recusandae fuga magnam iste praesentium dolor corrupti facere non, quis, maxime beatae obcaecati excepturi. Reprehenderit?.

    </p>

</div>

</body>

</html>

# Background origin

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

        body{

*background*: aliceblue;

        }

        div{

*background*: white;

*width*: 800px;

*height*: 600px;

*padding*: 25px;

*border*: 20px dashed black;

*background-image*: url(*natural.webp*);

*background-repeat*: no-repeat;

            /\* padding-box is Default \*/

*background-origin*: padding-box;

*background-origin*: content-box;

*background-origin*: border-box;

        }

    </style>

</head>

<body>

    <h1>Background Origin in CSS</h1>

    <div>

    <p>

      Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos.Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

      placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

      veniam possimus? Facilis corporis quae at alias esse optio sint

      dignissimos. Lorem ipsum dolor sit amet consectetur adipisicing elit. Possimus et nemo necessitatibus repudiandae repellendus, culpa ducimus quisquam. Tempora nulla modi quo. Dolor quidem aspernatur ex sed tempore? Deleniti maiores ut nostrum officiis minus culpa. Ratione nobis impedit magnam aliquid fugit consectetur nemo illo necessitatibus suscipit soluta natus cumque adipisci accusantium explicabo expedita odit quo possimus facilis deleniti et quisquam, magni eligendi modi? Exercitationem veritatis iusto dolore at eius sunt sit ea autem adipisci alias temporibus maxime voluptates repellendus a, laborum cupiditate nisi dicta atque ut magnam. At, sint error. Delectus reiciendis voluptatibus provident quae praesentium consequuntur illo libero, suscipit numquam aliquid voluptates quia perspiciatis rerum doloribus. A tenetur iusto molestiae, facilis natus error. Delectus quaerat quisquam consequuntur libero blanditiis temporibus necessitatibus impedit sapiente! Necessitatibus doloribus dolor amet beatae ipsam voluptas, eligendi animi excepturi et ducimus saepe esse distinctio ex sequi asperiores quaerat labore deserunt neque fuga facere doloremque eveniet voluptatibus deleniti accusamus. Consequuntur explicabo, labore adipisci aut inventore sit, molestias cum nobis quam sint recusandae quos eos ducimus vitae corporis laboriosam accusantium, a nostrum cupiditate? Cum quam ipsam facilis quas quaerat enim eos adipisci quisquam recusandae fuga magnam iste praesentium dolor corrupti facere non, quis, maxime beatae obcaecati excepturi. Reprehenderit?.

    </p>

</div>

</body>

</html>

# Background clip

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

        div{

*width*: 800px;

*height*: 400px;

*background-image*: url(*natural.webp*);

*background-repeat*: no-repeat;

*background-size*: cover;

*font-size*: 100px;

*font-family*: impact;

*text-align*: center;

*color*: transparent;

*background-clip*: text;

            /\* For chrome browser use webkit prefix use pannanum in case  \*/

*-webkit-background-clip*: text;

        }

    </style>

</head>

<body>

    <h1>Background Clip in CSS</h1>

    <div>

    sathish kumar

</div>

</body>

</html>

# Background gradient

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

        div{

*width*: 800px;

*height*: 400px;

            /\* gradient type

                    linear-gradient

                    repeating-linear-gradient

                    radial-gradient

                    repeating-radial-gradient

                    conic gradient

                    repeating-conic gradient \*/

*height*: 600px;

*width*: 800px;

*background-color*: red;

                    /\* it used to show multi color

                    it also allow hexadecimal,rgb value  \*/

*background*:linear-gradient(red,blue) ;

*background*:linear-gradient(red,blue,black) ;

*background*:linear-gradient(to right,red,blue,black) ;

*background*:linear-gradient(to left,red,blue,black) ;

*background*:linear-gradient(to top,red,blue,black) ;

*background*:linear-gradient(to bottom,red,blue,black) ;

*background*:linear-gradient(to bottom right,red,blue,black) ;

*background*:linear-gradient(to bottom left,red,blue,black) ;

*background*:linear-gradient(to top left,red,blue,black) ;

*background*:linear-gradient(to top right,red,blue,black) ;

*background*:linear-gradient(45deg,red,blue,black) ;

*background*:linear-gradient(-45deg,red,blue,black) ;

*background*:linear-gradient(-45deg,red 50%,blue 20%) ;

*background*: repeating-linear-gradient(to top,red 20%,orange 30%);

                    /\* In circle or ellipse form  \*/

*background*: radial-gradient(red,yellow);

*background*: radial-gradient(red,yellow,green);

*background*: radial-gradient(red 5%,yellow 15%,green 60%);

*background*: radial-gradient(circle,red 5%,yellow 15%,green 60%);

*background*: radial-gradient(closest-side at 50% 50%,red 5%,yellow 15%,green 60%);

*background*: radial-gradient(closest-side at 80% 50%,red 5%,yellow 15%,green 60%);

*background*: radial-gradient(closest-side at 80% 80%,red 5%,yellow 15%,green 60%);

*background*: radial-gradient(farthest-side at 80% 80%,red 5%,yellow 15%,green 60%);

*background*: radial-gradient(closest-corner at 80% 80%,red 5%,yellow 15%,green 60%);

*background*: radial-gradient(farthest-corner at 80% 80%,red 5%,yellow 15%,green 60%);

*background*: repeating-radial-gradient(red,orange,black);

*background*: repeating-radial-gradient(red ,orange 10%,black 15%);

*background*: conic-gradient(red,yellow,black);

*border-radius*: 50%;

*background*: conic-gradient(from 90deg,red,yellow,black);

*background*: conic-gradient(red,yellow,black);

*background*: conic-gradient(red 0deg,red 90deg,yellow 90deg,yellow 180deg, black 180deg,black 270deg);

*background*: conic-gradient(at 40% 60%,red,yellow,black);

*background*: repeating-conic-gradient(red,yellow 10% ,black 20%);

*border-radius*: 60%;

        }

    </style>

</head>

<body>

    <h1>Background Gradient in CSS</h1>

    <div>

    sathish kumar

</div>

</body>

</html>

# Background blend

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

        div{

*width*: 500px;

*height*: 500px;

*border*: 2px black;

*background-image*: linear-gradient(red,yellow),url(*shoe.jpeg*);

*background-size*: cover;

            /\* Default value noraml \*/

*background-blend-mode*: normal;

*background-blend-mode*: screen;

            /\* mostly used overlay \*/

*background-blend-mode*: overlay;

*background-blend-mode*: darken;

*background-blend-mode*: hard-light;

*background-blend-mode*: soft-light;

*background-blend-mode*: multiply;

*background-blend-mode*: difference;

*background-blend-mode*: exclusion;

*background-blend-mode*: hue;

*background-blend-mode*: color-burn;

*background-blend-mode*: color-dodge;

*background-blend-mode*: color;

*background-blend-mode*: lighten;

*background-blend-mode*: luminosity;

*background-blend-mode*: saturation;

        }

    </style>

</head>

<body>

    <h1>Background Blend in CSS</h1>

    <div>

</div>

</body>

</html>

# Opacity

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <link href="https://fonts.googleapis.com/css?family=Pacifico" rel="stylesheet">

    <style>

        div{

*width*: 800px;

*border*: 2px solid #333;

*padding*: 10px;

            /\* opacity  value give from 0 to 1

            it means transparency \*/

            /\* opacity: 0.8; \*/

        }

        img{

*opacity*: 0.4;

            /\* filter: alpha(opacity=90%); \*//\*It is used in old browser\*/

        }

    </style>

</head>

<body>

    <h1>Opacity in CSS</h1>

    <div>

        <img src="shoe.jpeg" alt = "">

    <p>

        Lorem ipsum dolor, sit amet consectetur adipisicing elit. Sequi minus aspernatur facere obcaecati sapiente quo temporibus quam modi aperiam unde voluptates natus laborum tempore, velit perspiciatis deserunt numquam ducimus ut nemo! Corrupti sequi excepturi quam expedita asperiores, temporibus officiis cumque distinctio veritatis laudantium quasi similique. Alias incidunt deleniti iusto consequatur unde iure autem molestiae vel iste nam ad quas ratione aut, impedit fuga facere. Aliquid qui harum accusamus repudiandae sequi ad, rem, commodi natus a culpa cupiditate eius dignissimos dolores error adipisci quas ut quasi porro itaque autem! Nobis est minima commodi eaque nesciunt consequuntur natus error eos porro corporis.

    </p>

</div>

</body>

</html>

# Text properties

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Tutor Joes</title>

    <style>

    html{

*background*:teal;

    }

    b{

        /\* sub,super scribt \*/

*vertical-align*: sub;

*vertical-align*: super;

    }

    body{

*height*:1000px;

*width*:800px;

*background*:white;

    }

    h1{

*letter-spacing*: 5px;

*text-decoration*: line-through;

*text-decoration*: overline;

*text-decoration*: underline;

*text-transform*: uppercase;

*text-align*: center;

    }

    p{

*text-align*: justify;

*text-indent*: 50px;

*line-height*: 30px;

    }

    </style>

</head>

<body>

    <h1>Text Properties</h1>

    <p>

       <span>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui,

       placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

       </span>veniam possimus? Facilis corporis quae at alias esse optio sint

       dignissimos.<b>Lorem ipsum dolor sit, amet</b> consectetur adipisicing elit. Qui,

       placeat eius! Error deserunt eaque sed non, laboriosam quaerat veritatis

       veniam possimus? Facilis corporis quae at alias esse optio sint

       dignissimos.

    </p>

</body>

</html>

# List properties

<!DOCTYPE html>

<htnl large="en">

<html>

    <head>

        <title>Tutor joes</title>

    </head>

    <style>

        ul li{

            /\* disc

            square

            circle

            decimal

            decimal-leading-zero

            lower-roman

            upper-roman

            lower-alpha

            upper-alpha

            lower-greek

            lower-latin\*/

            /\*list-style-type: decimal;

            list-style-type: square;

            list-style-image: url(natural.webp); \*/

*list-style-type*: none;

        }

        ul li::before{

*content*: " ";

*display*: inline-block;

*margin-right*: 10px;

*height*: 10px;

*width*: 10px;

*background-image*: url(*natural.webp*);

*background-size*: cover;

            /\* background-color: aqua; \*/

        }

    </style>

    <body>

        <h1>List properties</h1>

        <ul>

            <li>Home</li>

            <li>Product</li>

            <li>blog</li>

            <li>download</li>

            <li>contact</li>

        </ul>

    </body>

</html>

## More about list

<!DOCTYPE html>

<htnl large="en">

<html>

    <head>

        <title>Tutor joes</title>

    </head>

    <style>

        ul li{

            /\* disc

            square

            circle

            decimal

            decimal-leading-zero

            lower-roman

            upper-roman

            lower-alpha

            upper-alpha

            lower-greek

            lower-latin\*/

*list-style-type*: disc;

*list-style-type*: square;

*list-style-type*: circle;

*list-style-type*: decimal;

*list-style-type*: decimal-leading-zero;

*list-style-type*: lower-roman;

*list-style-type*: upper-alpha;

*list-style-type*: lower-greek;

*list-style-type*: lower-latin;

        }

    </style>

    <body>

        <h1>List properties in HTML</h1>

        <ul>

            <li>Home</li>

            <li>Product</li>

            <li>blog</li>

            <li>download</li>

            <li>contact</li>

        </ul>

    </body>

</html>

## More about list

<!DOCTYPE html>

<htnl large="en">

<html>

    <head>

        <title>Tutor joes</title>

    </head>

    <style>

      #two li{

        /\* list-style-type: square; \*/

        /\* list-style: none; \*/

*list-style*: outside;/\*Default\*/

*list-style*: inside;

      }

    </style>

    <body>

        <h1>List properties in HTML</h1>

        <h3>List-1</h3>

        <ul>

            <li>Home</li>

            <li>Product</li>

            <li>blog</li>

            <li>download</li>

            <li>contact</li>

        </ul>

        <h3>List-2</h3>

        <ul id="two">

            <li>Home</li>

            <li>Product</li>

            <li>blog</li>

            <li>download</li>

            <li>contact</li>

        </ul>

    </body>

</html>

# Margin properties

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            div{

*background*: brown;

*color*: white;

*height*: 150px;

*width*: 300px;

                /\* Margin \*/

                /\*  1.Margin - Individual Sides

                        margin-top: value;

                        margin-right: value;

                        margin-bottom: value;

                        margin-left: value;

                    2.Margin - Shorthand property

                        margin: value (all side);

                        margin : top right bottom left;

                        margin: vertical (Top, Bottom) horizontal (Left, Right);

                        margin: top,horizontal,bottom;\*/

*margin*: 75px;

                /\* specify each side \*/

*margin-top*: 40px;

*margin-bottom*: 30px;

*margin-left*: 10px;

*margin-right*: 70px;

                /\* specify side in single line

                margin : top,right,bottom,left \*/

*margin*: 70px 70px 70px 70px;

*margin*: 10px 70px 30px 70px;

                /\* speccify horizontal and vertical \*/

*margin*: 50px 70px;

                /\* margin: top,horizontal,bottom; \*/

*margin*: 30px 50px 10px;

            }

            h1{

*background*: brown;

            }

        </style>

    </head>

    <body>

        <h1>Margin properties in CSS</h1>

        <div >  dolor sit, amet consectetur adipisicing elit. Vel, vero debitis sed consequuntur molestiae distinctio repudiandae fuga fugit non magni accusantium dolores aut ea deserunt at recusandae odio veritatis quisquam?

        </div>

        <div >

            Lorem ipsum dolor sit, amet consectetur adipisicing elit. Vel, vero debitis sed consequuntur molestiae distinctio repudiandae fuga fugit non magni accusantium dolores aut ea deserunt at recusandae odio veritatis quisquam?

        </div>

    </body>

</html>

# Padding properties

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            div{

*background*: brown;

*color*: white;

*height*: 150px;

*width*: 300px;

               /\* margin denoted as outer space

                padding denoted as inner space ; \*/

*margin*: 30px 50px 10px;

                /\* Padding \*/

*padding*: 10px;

*padding-left*: 10px;

*padding-right*: 20px;

*padding-bottom*: 30px;

*padding-top*: 40px;

*padding*: 40px 20px;

*padding*: 40px 20px 30px;

                /\*  1.Padding - Individual Sides

                        Padding-top: value;

                        Padding-right: value;

                        Padding-bottom: value;

                        Padding-left: value;

                    2.Padding - Shorthand property

                        Padding: value (all side);

                        Padding : top right bottom left;

                        Padding: vertical (Top, Bottom) horizontal (Left, Right);

                        Padding: top,horizontal,bottom;\*/

            }

            h1{

*background*: brown;

*padding*: 10px;

            }

        </style>

    </head>

    <body>

        <h1>Padding properties in CSS</h1>

        <div >  dolor sit, amet consectetur adipisicing elit. Vel, vero debitis sed consequuntur molestiae distinctio repudiandae fuga fugit non magni accusantium dolores aut ea deserunt at recusandae odio veritatis quisquam?

        </div>

        <div >

            Lorem ipsum dolor sit, amet consectetur adipisicing elit. Vel, vero debitis sed consequuntur molestiae distinctio repudiandae fuga fugit non magni accusantium dolores aut ea deserunt at recusandae odio veritatis quisquam?

        </div>

    </body>

</html>

# Border properties

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            div{

*background*: teal;

*width*: 300px;

*height*: 300px;

                /\* To specify the particular side \*/

*border-top-width*: 10px;

*border-top-color*: red;

                /\* border-top-style: double; \*/

                /\* border-top-style: solid; \*/

*border-top-style*: groove;

*border-left-width*: 10px;

*border-left-color*: green;

*border-left-style*: dotted;

                /\* in single line \*/

*border*: 10px solid red;

            }

        </style>

    </head>

    <h1>Border properties in CSS</h1>

    <body>

        <div>

        </div>

    </body>

</html>

# Selectors

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            /\* 1) Element selectors that is noramal tag use \*/

            h1{

*color*: blue;

            }

            /\* 2) id selectors represent # \*/

            #title{

*color*: orange;

*font-size*: 25px;

            }

            /\* 3) class selector represent dot(.) \*/

                .box{

*height*: 100px;

*width*: 100px;

*background*: teal;

*margin-bottom*: 10px;

                    /\* important thing div is block level element but span is not block level element \*/

*display*: block;

                }

        </style>

    </head>

    <h1>Selectors in CSS</h1>

    <h3 id="title">id selectors</h3>

    <body>

        <div class="box"></div>

        <div class="box"></div>

        <span class="box"></span>

    </body>

</html>

# Display properties

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            h1,p{

*background*: red;

            }

            ul li{

*display*: inline;

*list-style-type*: none;

*background*: orangered;

*margin-left*: 10px;

*padding*: 15px;

            }

            b{

*background*: blue;

*display*: block;

*width*: 300px;

*height*: 50px;

*display*: inline-block;

                /\* display: none; \*/

            }

        </style>

    </head>

    <body>

        <!-- h1 and p are block level properties -->

        <h1>Display properties in CSS</h1>

        <ul>

            <li>C program</li>

            <li>C++</li>

            <li>Java</li>

            <li>.Net</li>

            <li>MySql</li>

        </ul>

        <p>Lorem ipsum dolor <b> sit amet consectetur </b>adipisicing elit. Beatae debitis iusto autem, ab quidem corporis voluptas vero consequuntur corrupti totam ipsum repellat dignissimos magni sequi voluptatibus est nisi aperiam delectus.</p>

        <p>Lorem ipsum dolor <b> sit amet consectetur </b>adipisicing elit. Beatae debitis iusto autem, ab quidem corporis voluptas vero consequuntur corrupti totam ipsum repellat dignissimos magni sequi voluptatibus est nisi aperiam delectus.</p>

    </body>

</html>

# Table styling

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            /\* in single line border \*/

            table{

*border-collapse*: collapse;

            }

            table tr:nth-of-type(even){

*background-color*: greenyellow;

            }

            table tr:nth-of-type(odd){

*background-color*: rgb(100, 199, 238);

            }

            table td:nth-of-type(odd){

*background-color*: aqua;

            }

        </style>

    </head>

    <body>

    <h1>Display table in HTML</h1>

    <table width="50%"

    border="1px"

    cellspading="10px"

    cellspacing="10px"

     >

     <caption>Friends</caption>

     <colgroup>

    <col style="width: 150px;">

    <col style="width: 50px;">

    <col style="width: 100px;">

    </colgroup>

     <thead>

        <tr>

            <th>Name</th>

            <th>Age</th>

            <th>City</th>

        </tr>

    </thead>

    <tbody>

        <tr>

            <td>sathish</td>

            <td>17</td>

            <td>salem</td>

        </tr>

        <tr>

            <td>reeghan</td>

            <td>16</td>

            <td rowspan="2">madurai</td>

        </tr>

        <tr>

            <td>raja</td>

            <td>18</td>

        </tr>

        <tr>

            <td>jaswin</td>

            <td>18</td>

            <td>coimbature</td>

        </tr>

        <tfoot>

            <tr>

                <td colspan="3">Noyes Friends</td>

            </tr>

        </tfoot>

    </tbody>

    </table>

    </body>

</html>

# Display table properties

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            .table{

*margin-top*: 100px;

*margin-left*: 50px;

                /\* border: 1px solid black; \*/

*width*: 500px;

*display*: table;

            }

            .row{ /\*tr\*/

*display*: table-row;

            }

            .col{ /\*td\*/

*border*: 1px solid orangered;

*padding*: 10px 30px;

*display*: table-cell;

            }

            .header{ /\*thead\*/

*display*: table-header-group;

*font-size*: 25px;

*font-weight*: bold;

*text-align*: center;

*background-color*: orangered;

*color*: white;

            }

            .footer{ /\*tfoot\*/

*display*: table-footer-group;

            }

            .caption{

*display*: table-caption;

*font-size*: 30px;

*font-weight*: bold;

*text-align*: center;

*color*: orangered;

*padding*: 10px;

            }

            .col-group{ /\*colgroup\*/

*display*: table-column-group;

            }

            .tbl-col{ /\*col\*/

*display*: table-column;

            }

            .col2{

                /\* Only allow two property width and backgrund-color \*/

*width*: 30px;

*background-color*: antiquewhite;

            }

            .row-group{

*display*: table-row-group;

*color*: orange;

            }

        </style>

    </head>

    <body>

        <h1>Display Table in CSS</h1>

        <div class="table">

                <div class="caption">

                    Student Details

                </div>

                <div class="col-group">

                    <div class="tbl-col">col-1</div>

                    <div class="tbl-col col2">col-1</div>

                    <div class="tbl-col">col-1</div>

                </div>

                <div class="header">

                    <div class="row">

                        <div class="col">Name</div>

                        <div class="col">Age</div>

                        <div class="col">City</div>

                    </div>

                </div>

                <div class="row-group">

                <div class="row">

                    <div class="col">sam</div>

                    <div class="col">17</div>

                    <div class="col">salem</div>

                </div>

                <div class="row">

                    <div class="col">ram</div>

                    <div class="col">20</div>

                    <div class="col">chennai</div>

                </div>

                <div class="row">

                    <div class="col">ravi</div>

                    <div class="col">25</div>

                    <div class="col">salem</div>

                </div>

                <div class="row">

                    <div class="col">sri</div>

                    <div class="col">18</div>

                    <div class="col">madurai</div>

                </div>

                <div class="row">

                    <div class="col">mohan</div>

                    <div class="col">24</div>

                    <div class="col">bombay</div>

                </div>

            </div>

                <div class="footer">

                    <div class="row">

                        <div class="col">Total student</div>

                        <div class="col"></div>

                        <div class="col">5</div>

                    </div>

                </div>

            </div>

    </body>

</html>

# Parent and child

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            body{

*color*: orange;

            }

            div{

*color*: red;

            }

            p{

*color*: blue;

            }

            a{

*color*: violet;

*text-decoration*: none;

            }

        </style>

    </head>

    <body>  <!--Parent-->

        <h1>Sathish</h1> <!--Child-->

        <h3>Parent And Child in CSS</h3>

        <div> <!--Child but parent in own child-->

            <h4>Heading</h4> <!--child in div grand Child in body-->

            <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Laborum, voluptates!</p>

        </div>

        <h4>Heading-2</h4>

        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Error delectus animi enim cupiditate sunt harum illum labore minima? A, debitis.</p>

        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Error delectus animi enim cupiditate sunt harum illum labore minima? A, debitis.</p>

        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Error delectus animi enim cupiditate sunt harum illum labore minima? A, debitis.</p>

        <a href="#">Read More</a>

    </body>

</html>

# Style preferences

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            /\* Default

               \* id selectors first prefernces

               \* class selectorssecond prefernces

               \* element selectors third prefernces

            Suppose I change the rule(that is break the rule) --> element selctors is first prefernces

                \*use !important

             \*/

             .test{

*color*: gold;

            }

             #box p{

*color*: red;

             }

            /\* p{

                color:red;

            } \*/

            p{

*color*:green !important;

            }

        </style>

    </head>

    <body>

        <h1>Style preferences</h1>

        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Illo corrupti at laboriosam quas ratione, sint possimus debitis esse inventore minus? Ipsam repudiandae et tempore voluptatem laudantium reiciendis nisi eaque praesentium?</p>

        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Illo corrupti at laboriosam quas ratione, sint possimus debitis esse inventore minus? Ipsam repudiandae et tempore voluptatem laudantium reiciendis nisi eaque praesentium?</p>

        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Illo corrupti at laboriosam quas ratione, sint possimus debitis esse inventore minus? Ipsam repudiandae et tempore voluptatem laudantium reiciendis nisi eaque praesentium?</p>

        <div id="box">

            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Illo corrupti at laboriosam quas ratione, sint possimus debitis esse inventore minus? Ipsam repudiandae et tempore voluptatem laudantium reiciendis nisi eaque praesentium?</p>

            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Illo corrupti at laboriosam quas ratione, sint possimus debitis esse inventore minus? Ipsam repudiandae et tempore voluptatem laudantium reiciendis nisi eaque praesentium?</p>

            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Illo corrupti at laboriosam quas ratione, sint possimus debitis esse inventore minus? Ipsam repudiandae et tempore voluptatem laudantium reiciendis nisi eaque praesentium?</p>

            <p class="test">Lorem ipsum dolor sit amet consectetur adipisicing elit. Illo corrupti at laboriosam quas ratione, sint possimus debitis esse inventore minus? Ipsam repudiandae et tempore voluptatem laudantium reiciendis nisi eaque praesentium?</p>

            Hi

        </div>

    </body>

</html>

# Selectors types

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            /\* element selectors \*/

            h1{

*color*:blue;

            }

            /\* id selecrors \*/

            #one{

*color*: rosybrown;

            }

            /\* class selectors \*/

            .box{

*color*: aqua;

            }

            /\* Multiple selectors \*/

            h1,h3,.box{

*color*: green;

            }

        </style>

    </head>

    <body>

        <h1>More selectors in CSS</h1>

        <p id="one">Lorem ipsum dolor, sit amet consectetur adipisicing elit. Sequi, voluptates.</p>

        <h3>sathish</h3>

        <div class="box">

            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Natus, laudantium!</p>

        </div>

    </body>

</html>

## More about selectors

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            .box p{

*color*: red;

            }

            /\* child selectors --> only style in child(direct child) \*/

            .box > p{

*color*: red;

            }

            /\* adjacent(nearest) \*/

            .box + p{

*color*: red;

            }

            /\* Attribute selectors \*/

            div[class]{

*background*: gray;

            }

            div[id]{

*background*: gray;

            }

            /\* in particular class or id \*/

            div[class~="inner"]{

*background*: gray;

            }

            /\* suppose use multiple  \*/

            /\* For example -->inner and txt \*/

            /\* inner class property affected \*/

            .txt{

*color*: white;

            }

            /\* solution is symbol ~ \*/

            div[class~="inner"]{

*background*: gray;

            }

            .txt{

*color*: white;

            }

        </style>

    </head>

    <body>

        <h1>More about selectors</h1>

        <div class="box">

            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Hic, tenetur.</p>

            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Hic, tenetur.</p>

            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Hic, tenetur.</p>

            <div class="inner txt">

                <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Alias, qui.</p>

                <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Alias, qui.</p>

                <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Alias, qui.</p>

            </div>

        </div>

        <div id="first">This is div</div>

        <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Quo, porro!</p>

        <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Quo, porro!</p>

        <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Quo, porro!</p>

    </body>

</html>

# Anchor tag properties

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            a[title]{

*color*: blanchedalmond;

            }

            a[title="Link-1"]{

*color*: orange;

            }

            a[href]{

*color*:aqua

            }

            a[href="text.png"]{

*color*:aqua

            }

            /\* start with text channge color(add symbol ^)  \*/

            a[href^="test"]{

*color*: blueviolet;

            }

            /\* end with text channge color(add symbol ^)  \*/

            a[href$="#"]{

*color*: red;

            }

        </style>

    </head>

    <body>

        <h1>Anchor tag</h1>

        <a href="text.html" title="Link-1">List-1</a>

        <a href="text.pdf" title="Link-2">List-2</a>

        <a href="text.png" title="Link-3">List-3</a>

        <a href="#" title="Link-4">List-4</a>

    </body>

</html>

# Pseudo class

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            a{

*text-decoration*: none;

            }

            a:hover{

*color*: red;

            }

            a:active{

*color*: orange;

            }

            a:visited{

*color*:pink;

            }

        </style>

    </head>

    <body>

        <h1>Pseudo class in CSS</h1>

        <a href="01\_inline.html" title="Link-1">List-1</a>

        <a href="02\_internal.html" title="Link-2">List-2</a>

        <a href="03\_external.html" title="Link-3">List-3</a>

        <a href="04\_fontproperties.html" title="Link-4">List-4</a>

        <a href="#" title="Link-5">List-5</a>

    </body>

</html>

# Access child class

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            ul li:first-child{

*color*: red;

            }

            ul li:nth-child(2){

*color*: yellowgreen;

            }

            ul li:nth-child(odd){

*color*: yellowgreen;

            }

            ul li:last-child{

*color*: orange;

            }

        </style>

    </head>

    <body>

        <h1>Access child in CSS</h1>

       <ul>

        <li>sathish 1</li>

        <li>sathish 2</li>

        <li>sathish 3</li>

        <li>sathish 4</li>

        <li>sathish 5</li>

       </ul>

    </body>

</html>

# Border radius

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            .box{

*height*: 150px;

*width*: 150px;

*background*: -webkit-linear-gradient(#e67e22,#e74c3c);

*border-radius*: 150px;  /\*Circle\*/

                /\* border-radius:  \*/

*border-radius*: 0px 20px 0px 10px;

*border-radius*: 10px 20px  50px;

*border-radius*: 10px 20px ;

            }

        </style>

    </head>

    <body>

        <h1>Border Radius in CSS</h1>

        <div class="box"></div>

    </body>

</html>

# Colors

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            /\* mostly used

                1) color format( eg: red)

                2) hexdecimal

                3) rgb(x,y,z)

                    rgb stands for red green blue

                    x,y,z belong 0 to 255

                4) rgba(x,y,z)

                    rgb stands for red green blue alpha(that mean opacity(transferency))

                    eg:rgba(255,0,0,0.5)

                use wedsite adobe color picker

            \*/

            h1{

*color*: rgba(255, 0, 0,0.5);

            }

        </style>

    </head>

    <body>

        <h1>Colors in CSS</h1>

    </body>

</html>

# Back shadow

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            .box{

*width*: 150px;

*height*: 150px;

*background*: orangered;

            }

            .shadow{

                /\* syntax

                    boxshadow: horizontal offset  vertical offset  blur  spread radius  color

                \*/

                /\* -webkit-box-shadow: 10px 10px 10px 0px rgba(0,0,0,0.5);

                -moz-box-shadow: 10px 10px 10px 0px rgba(0,0,0,0.5); \*/

*box-shadow*: 10px 10px 5px 0px rgba(0,0,0,0.15);

            }

        </style>

    </head>

    <body>

        <h1>Box shadow in CSS</h1>

        <div class="box shadow"></div>

    </body>

</html>

# Chess board

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            html{

*background*: grey;

            }

            body{

*width*:800px;

*height*: 800px;

*background*: white;

*margin*: 50px auto

            }

            .row{

*width*:100%;

*height*: 100px;

*float*: left;

            }

            .box{

*width*: 100px;

*height*: 100px;

*float*: left;

*font-size*: 75px;

*text-align*: center;

            }

            .box:hover{

*color*:orange;

            }

            .black{

*background*: rgb(195, 92, 109);

            }

            .boxshadow{

*box-shadow*: 40px 40px 10px 0px rgba(26, 23, 23,0.5);

            }

        </style>

    </head>

    <body class="boxshadow">

        <div class="row">

            <div class="box">&#9814;</div>

            <div class="box black">&#9816;</div>

            <div class="box">&#9815;</div>

            <div class="box black">&#9813;</div>

            <div class="box">&#9812;</div>

            <div class="box black">&#9815;</div>

            <div class="box">&#9816;</div>

            <div class="box black">&#9814;</div>

        </div>

        <div class="row">

            <div class="box black">&#9817;</div>

            <div class="box">&#9817;</div>

            <div class="box black">&#9817;</div>

            <div class="box">&#9817;</div>

            <div class="box black">&#9817;</div>

            <div class="box">&#9817;</div>

            <div class="box black">&#9817;</div>

            <div class="box">&#9817;</div>

        </div>

        <div class="row">

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

        </div>

        <div class="row">

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

        </div>

        <div class="row">

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

        </div>

        <div class="row">

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

            <div class="box black"></div>

            <div class="box"></div>

        </div>

        <div class="row">

            <div class="box">&#9823;</div>

            <div class="box black">&#9823;</div>

            <div class="box">&#9823;</div>

            <div class="box black">&#9823;</div>

            <div class="box">&#9823;</div>

            <div class="box black">&#9823;</div>

            <div class="box">&#9823;</div>

            <div class="box black">&#9823;</div>

        </div>

        <div class="row">

            <div class="box black">&#9820;</div>

            <div class="box">&#9822;</div>

            <div class="box black">&#9821;</div>

            <div class="box">&#9819;</div>

            <div class="box black">&#9818;</div>

            <div class="box">&#9821;</div>

            <div class="box black">&#9822;</div>

            <div class="box">&#9820;</div>

        </div>

    </body>

</html>

**CSS Layout Design**

* Box Model in CSS
* Normal Document Flow
* Display Properties
* Float properties
* Position
* Static
* Relative
* Absolute
* Fixed

**Box model in CSS**

CONTENT

PADDING

bbBORDER

MARGIN

# Box Model

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <link rel="stylesheet" type="text/css" href="30(1)Style.css">

    </head>

    <body>

        <h1>Box Model in CSS</h1>

        <div class="box">Lorem ipsum dolor sit amet consectetur adipisicing elit. Dolore quo reprehenderit nesciunt praesentium sapiente aliquam vero expedita odit nulla et.

        </div>

        <div class="box">Lorem ipsum dolor sit amet consectetur adipisicing elit. Dolore quo reprehenderit nesciunt praesentium sapiente aliquam vero expedita odit nulla et.

        </div>

    </body>

</html>

## Style.css

\*{

*margin*: 0px;

*padding*: 0px;

}

body{

*background-color*: #a1a1a1;

*color*: white;

}

.box{

*height*: 150px;

*width*: 400px;

*text-align*: justify;

*background*: teal;

*margin*: 50px;

*padding*: 10px;

*border*: 10px double white;

}

# Normal document flow

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <link rel="stylesheet" type="text/css" href="31(1)Style.css">

    </head>

    <body>

        <h1>Normal Document Flow</h1>

        <div class="container">

            <p>

                1.Lorem ipsum dolor sit amet consectetur adipisicing elit. Fugiat porro, reprehenderit quasi consequuntur iusto quod neque, ullam minima qui laudantium pariatur dolores odio nisi non alias! Quos aliquam quisquam laborum!

            </p>

            <p>

                2.Lorem ipsum dolor sit amet consectetur adipisicing elit. Fugiat porro, reprehenderit quasi consequuntur iusto quod neque, ullam minima qui laudantium pariatur dolores odio nisi non alias! Quos aliquam quisquam laborum!

            </p>

            <p>

                3.Lorem ipsum dolor sit amet consectetur adipisicing elit. Fugiat porro, reprehenderit quasi consequuntur iusto quod neque, ullam minima qui laudantium pariatur dolores odio nisi non alias! Quos aliquam quisquam laborum!

            </p>

        </div>

    </body>

</html>

## Style.css

\*{

*margin*: 0px;

*padding*: 0px;

}

body{

*background-color*: #a1a1a1;

}

.container{

*background*: #fff;

*max-width*: 800px;

*margin*:0px auto;

*padding*: 20px;

}

p{

    /\* Noraml document flow refers sequence style \*/

*text-indent*: 25px;

*background*: teal;

*color*: white;

*margin-top*: 10px;

*padding*: 10px;

}

# Position properties

1) Static

    \* static is default

    \* it regular document flow

2) Relative

    \* Relative is similar to static but it has extra four property

        LTRB

    \* it is mostly used combine with absolute position

3) Absolute

    \* break the document flow

    \* Also used

        LTRB

    Additional used

        relative property

           \* relativ position is used in parent

           \* suppose parent cannot have relative position, then child position in anywhere in html block

           \* if parent have relative position, then child position in parent block

4) Fixed

    \* break the document flow

    it is used to fixed anywhere in document

5) Sticky

    \* break the document flow

    it is used to stick the navbar or other any where in document

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <link rel="stylesheet" type="text/css" href="32(1)style.css">

        <link rel="stylesheet" type="text/css" href="32(2)Position.css">

    </head>

    <body>

        <h1>Position Properties in CSS</h1>

        <div class="main">

            Main Box

            <div class="box1 box">Box-1</div>

            <div class="box2 box">Box-2</div>

            <div class="box3 box">Box-3</div>

        </div>

    </body>

</html>

## Style.css

.main{

*border*: 5px solid gray;

*width*: 500px;

*min-height*: 500px;

*font-weight*: bold;

}

.box{

*width*: 100px;

*height*: 100px;

*color*: white;

*padding*: 10px;

*font-weight*: bold;

}

.box1{

*background-color*: teal;

}

.box2{

*background-color*: tomato;

}

.box3{

*background-color*: yellowgreen;

}

## Position.css

## Sticky

* Its default
* it regular document flow

## Relative

.main{

}

.box1{

*position*: relative;

*left*: 50px;

*top*: 50px;

*bottom*: 50px;

}

.box2{

}

.box3{

}

## Absolute

.main{

*position*: relative;

}

.box1{

*position*: absolute;

    /\* display: none; \*/

    /\* top: 0; \*/

*bottom*: 0;

*right*: 0;

*left*: 100px;

}

.box2{

}

.box3{

}

# Fixed

.main{

*position*: relative;

}

.box1{

*position*: fixed;

*top*: 200px;

*right*: 200px;

    /\* left: 100px; \*/

}

.box2{

}

.box3{

}

# Sticky

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <link rel="stylesheet" type="text/css" href="32(1)style.css">

        <link rel="stylesheet" type="text/css" href="32(2)Position.css">

    </head>

    <body>

        <h1>Position Properties in CSS</h1>

        <h2>sticky</h2>

       <div id="header">Header</div>

       <div id="navbar">

        <ul>

            <li>Home</li>

            <li>About</li>

            <li>Contact</li>

            <li>Downloads</li>

            <li>Products</li>

        </ul>

       </div>

       <div id="box">

        <p>

            Lorem ipsum dolor sit amet consectetur adipisicing elit. Fugiat praesentium consequatur harum maiores mollitia nemo nisi atque placeat sequi asperiores, laboriosam dolorem vero dolore molestiae, sed doloribus ab, saepe illo alias? Culpa id alias quae repellat quaerat debitis, quos, ratione ullam aspernatur, iure sequi labore doloremque odit! Nesciunt a animi qui aliquid iusto mollitia veritatis quae debitis error reprehenderit rem ratione, ex minima excepturi accusantium eaque. Reiciendis cum culpa provident, ipsum quam ab repellendus esse fugit autem doloremque in distinctio ex totam, nesciunt facere illo. Reprehenderit cupiditate totam, minus mollitia repellat quia accusantium ipsa in quasi repudiandae dolorem eos ipsam quidem, cumque debitis quis, nam ab nesciunt laborum obcaecati porro quisquam culpa deserunt recusandae! Placeat illo sed, cum et vitae officiis excepturi quasi? Aliquam facere, porro excepturi reprehenderit et iure provident corporis, cum quibusdam dicta voluptatem earum debitis, officia neque dolorem ex omnis repellat! Tempora consequatur deleniti quibusdam fugit corrupti aspernatur inventore debitis, harum corporis neque, voluptatibus adipisci placeat error nostrum? Cumque blanditiis error eius consequuntur doloribus officia excepturi nobis ea iusto cum alias dicta ipsam repellat fugit non labore, totam quia inventore animi beatae ipsum magni temporibus? Ipsum odio inventore commodi iure minus officia quasi unde? Eum, doloremque distinctio, fugiat dolorem aperiam beatae ipsam illum voluptas numquam tempora repellat sunt architecto velit sit ut ab quisquam, harum officiis? Dolorem rerum cumque perferendis doloremque laborum eaque dolore impedit, illo repudiandae. Aliquid ipsum blanditiis rerum. Consequatur magni est optio quibusdam eos hic labore necessitatibus perferendis autem aut totam enim obcaecati animi maiores quaerat, ullam saepe exercitationem illum nam! Quaerat vitae saepe eum harum asperiores, iusto tempore quis perferendis accusantium qui aperiam amet optio, excepturi corrupti dolores ducimus. Esse aut nam aliquam ipsa cupiditate repellendus, reprehenderit culpa quis odit necessitatibus, soluta ab natus obcaecati magni sed quae, quidem tempore dicta consequuntur enim temporibus dignissimos porro alias eligendi. Quod veritatis reprehenderit modi repellendus ex, quaerat cum velit vero corporis! Amet consectetur non mollitia quis enim et? Cumque sapiente laudantium maiores? Ad voluptate ut nemo commodi mollitia sunt itaque error explicabo, doloribus adipisci modi laboriosam natus neque sapiente vitae corporis veniam beatae quam eaque. Voluptas quae, aliquid consequuntur explicabo delectus saepe iure voluptates ad neque quos, beatae provident officia totam est, nulla deserunt magnam animi atque iste odit exercitationem quibusdam? Assumenda eius quasi aliquam nisi cupiditate debitis perferendis suscipit neque, quibusdam placeat minus nulla voluptas et tenetur quas non! Maiores necessitatibus doloremque voluptate neque at ipsa sequi veniam, placeat aliquid illum facere repudiandae nostrum blanditiis sed vel ea optio excepturi officiis voluptates ad. Iusto fugit totam ratione, voluptatem, excepturi exercitationem deleniti velit possimus, fuga repellat recusandae quod numquam! Aut impedit optio ea velit at molestias! Commodi dolores perspiciatis obcaecati doloribus vel itaque in nihil? Libero laboriosam unde explicabo? Quo explicabo inventore quidem voluptatem numquam enim odit tenetur, voluptate eaque mollitia dolorem eius provident repellat recusandae expedita atque optio? Alias nam, vero itaque dolorem dolorum sit sed laboriosam, odit quam dolor facilis distinctio modi temporibus ea dolores repellendus ut aliquam facere placeat? Quidem architecto dignissimos, velit iste iusto eligendi deleniti numquam ex reprehenderit placeat voluptates minima a similique aliquid ratione magnam est possimus excepturi dolorum esse? Temporibus accusantium qui distinctio rem molestiae? Aut, et numquam, excepturi dolorem maxime distinctio harum nam voluptas veniam beatae minus tenetur. Animi, perspiciatis iusto maxime ex assumenda exercitationem magnam enim ad quod consequatur vero debitis repellendus numquam facere minima, unde, temporibus fugit ullam dolorum tenetur necessitatibus earum. Dolore numquam asperiores praesentium, laboriosam suscipit blanditiis culpa vero velit debitis, iure pariatur. Ad, repudiandae repellat? Et vel animi dicta illo, quas nemo similique. Aliquid commodi corrupti sed nobis a dignissimos quam, quasi incidunt nostrum suscipit, animi sint dolorum voluptatum, natus provident iusto repudiandae perspiciatis quis fugiat earum sapiente corporis ab! Pariatur dolore aut a, repellendus quod fuga maiores commodi consectetur cum eligendi minus, voluptate tempore provident. Natus omnis consequatur deleniti architecto praesentium deserunt molestiae? Voluptatibus dolores sint animi vitae nobis doloribus fugit incidunt consectetur architecto soluta expedita obcaecati, laboriosam, error veritatis officia ipsa a explicabo ad nostrum. Reprehenderit soluta sapiente, enim, exercitationem nobis distinctio eveniet explicabo earum aliquam magnam, ratione aliquid. Cupiditate nisi rerum incidunt rem temporibus. Reprehenderit delectus rem sequi tempora eveniet temporibus vitae eius totam quaerat, autem, commodi officia dignissimos sint repellat, nam ea sapiente veniam. Voluptatem nihil, earum repellendus quos possimus vel animi facilis libero vero autem perferendis, aliquam iure enim nulla dicta nemo est illo odio accusamus doloremque. Cum eos mollitia voluptatem ab officiis quasi quisquam fuga numquam delectus earum. Dolorum itaque, harum alias saepe aut facere deleniti obcaecati quasi reiciendis, enim, tempore illo commodi. Blanditiis, ipsum quos sapiente illo accusamus a vitae expedita similique nemo, nam explicabo. Ex sint laborum quaerat pariatur alias optio labore suscipit quasi assumenda distinctio. A ratione dolor officia recusandae quaerat, veniam quae illo sapiente incidunt libero adipisci esse vitae, totam animi voluptate! Fugit quam aut ullam, vitae, non omnis, sequi sed accusantium delectus minus nulla error doloremque nihil? Voluptatem sequi optio, incidunt cumque repellat consequuntur harum magnam distinctio officiis ut, explicabo officia ipsa illum dolores quaerat unde. Est eligendi, odio enim nam adipisci iure exercitationem, quia eaque consectetur, hic temporibus non. Labore, ex autem quas tenetur alias voluptatibus cumque possimus libero dolores dolor, qui perferendis asperiores porro illum enim reiciendis amet sequi culpa eum quia! Voluptatem inventore a optio minus hic expedita possimus, deserunt, magni porro impedit cumque doloremque ullam ipsum iste. Tempora iste nemo iure id architecto necessitatibus officia, placeat nulla nihil dignissimos, impedit enim ut modi magni mollitia sunt deserunt libero voluptas corrupti, sint vitae dolorum soluta. Assumenda vitae animi rem repudiandae accusantium odit nisi voluptatum molestiae vero quas reiciendis aspernatur, accusamus incidunt eius earum nulla minus tempora autem eligendi quia eaque esse? Voluptatem, impedit ab numquam iusto facere quaerat. Eveniet aut nisi libero. Ullam, amet esse harum odit numquam obcaecati consequuntur nesciunt quibusdam voluptatum praesentium deleniti eveniet hic sequi? Similique, culpa. Iusto, dignissimos voluptas? Distinctio perferendis quidem dolor maiores mollitia aliquam, recusandae harum facilis, molestiae exercitationem ex blanditiis enim totam quod impedit unde doloremque! Ex beatae tempore dignissimos sunt omnis asperiores obcaecati repudiandae perspiciatis veritatis totam? Id eum nihil porro repellat veritatis officiis, maxime quisquam ab eaque, laudantium corporis atque, blanditiis ratione tempora tempore rem! Fugiat ducimus possimus, quisquam ad illum ratione illo odio explicabo? Nostrum a ullam, eligendi assumenda laborum soluta iste sapiente et deserunt modi incidunt delectus totam odit officiis! Labore accusamus obcaecati porro nihil mollitia enim numquam quo ullam laudantium odit perspiciatis ducimus fugit accusantium, natus rerum minima ad. Enim inventore rerum explicabo magnam doloremque nemo repudiandae asperiores ullam vero error placeat, soluta minus, ipsam laudantium cumque sit quam! Quod assumenda voluptas, voluptatibus fugit aut totam ratione magnam quis ea doloremque porro obcaecati temporibus earum pariatur iusto magni sit. Exercitationem cum obcaecati necessitatibus harum eos quis. Perspiciatis doloribus, soluta, adipisci in nobis ullam porro rem alias voluptate deleniti rerum neque quis est quisquam dicta illo a quas consectetur ab amet nemo et? Doloremque ipsum voluptate ullam totam pariatur dolorem quas dolor molestiae, voluptatum minima odit quisquam atque eligendi harum veritatis, quos magnam inventore distinctio qui, placeat vero? Eos hic iste aliquid ea enim libero corporis accusantium voluptas neque et. Fuga nulla illo sed ex eveniet, consequatur vero, accusantium maiores sit omnis et totam officia non enim, maxime voluptate nostrum. Sunt nisi eos consectetur possimus, ullam quisquam, repudiandae itaque cupiditate culpa non maxime eligendi odit dolorem! Dolores explicabo qui autem quod quia maiores fugiat dolor distinctio in voluptates? Autem eaque maxime nesciunt, nostrum ea quod. Magnam, cum porro quisquam quo facere doloribus eaque placeat dignissimos eius eos harum error velit nostrum odit veniam doloremque blanditiis dolor provident quasi sapiente id officiis eveniet quos minus. Exercitationem dolor quia optio veniam quam suscipit sequi similique omnis expedita architecto. Doloremque, facere labore? Assumenda quos reiciendis sit saepe, reprehenderit quisquam sunt dicta, nulla est veritatis omnis ducimus debitis quam iusto maxime perferendis ut cum obcaecati. Sequi in, quis ducimus velit minima cum maxime voluptatem quae explicabo praesentium fugiat esse earum tenetur doloremque rem veritatis autem! Vitae praesentium vel rem explicabo cupiditate repellendus optio exercitationem! Sint animi deserunt ratione, sapiente illum, cupiditate illo eos eum similique reiciendis, harum iusto. Perspiciatis facilis, cumque quidem nemo magnam eveniet recusandae quae odio fuga at, dicta nisi quam optio quibusdam numquam animi officia minus alias molestias beatae totam. Aliquid ut ex deleniti numquam distinctio qui corrupti voluptatibus, officia enim ullam ratione amet explicabo voluptatum error eos aspernatur cum, excepturi expedita? Facere in ullam eligendi placeat earum accusantium distinctio ipsum reprehenderit cumque vel voluptatum possimus quae deleniti est, neque, voluptas ea, commodi officia doloribus iusto. Quaerat esse unde adipisci, dignissimos perspiciatis cupiditate ipsum eos et quas maxime sit temporibus! Corporis hic cumque dolorem suscipit cum autem inventore at velit natus, magnam dolores molestias minus in cupiditate ab aut saepe beatae sunt. Delectus incidunt optio non recusandae reiciendis, numquam sequi dolorum. Tempora similique suscipit dolores ea nemo blanditiis beatae eos fuga delectus. Dicta expedita, soluta quibusdam obcaecati, aspernatur doloribus quo quam possimus at qui, eligendi voluptates? Iure delectus fuga impedit debitis, pariatur distinctio officia labore saepe deserunt autem repellat beatae quidem totam ea aspernatur ut ipsam accusantium architecto non nam animi a earum ipsum. Necessitatibus excepturi sint quos labore cumque beatae eveniet expedita sit veniam. Odit et tempora deserunt. Eligendi ipsum culpa eum magni iste corrupti molestias, impedit suscipit vero? Neque veniam ab unde possimus, impedit velit labore odit fuga nobis esse accusantium minus dolor officiis commodi sunt! Esse dolorem tempora sunt eveniet, sequi aperiam quasi ea corrupti. Atque itaque ipsam ea et laboriosam a, nesciunt officiis quibusdam odit veritatis. Minima, accusantium at. Ad mollitia aut omnis id quos? Distinctio fugit atque ea eos esse explicabo unde, consectetur, neque voluptate eius cupiditate nisi, est sint facilis? Accusamus itaque neque cupiditate, quia dolorem sapiente fugiat molestias, inventore nulla impedit natus unde saepe voluptates nisi blanditiis maiores cumque ratione qui eaque dolorum pariatur atque laboriosam aut dolore. Ducimus veniam sint accusantium minus illum fugiat distinctio perferendis eum maxime iste quas nulla quae, quod quis laudantium nostrum assumenda tempore qui eligendi. Itaque velit neque sunt consequatur culpa voluptate quod illum quo laudantium reiciendis natus quaerat modi rerum atque temporibus dolores, exercitationem incidunt! Qui tenetur eveniet a saepe eum velit, maxime fuga ad veritatis harum molestias earum ipsum laudantium libero nisi numquam quas illo vel repellat labore possimus suscipit ipsa similique. Ab nostrum, asperiores voluptates laudantium debitis voluptatibus, inventore cum officiis, quia beatae nesciunt! Vero, delectus expedita mollitia cum nulla eveniet, numquam porro maxime deserunt in tempora. Vero consequatur aspernatur exercitationem officia nobis laboriosam tempore expedita eum assumenda quia qui ipsum rem deleniti porro officiis optio alias obcaecati veniam dolore id provident, fugiat cum adipisci debitis. Quibusdam, ab? Blanditiis itaque facere voluptatum atque obcaecati quia accusamus excepturi. Hic aliquam veniam voluptas quod nesciunt repellat voluptatem consequatur praesentium facilis perferendis ipsa ipsum ipsam qui dignissimos, accusantium dolores quas, soluta ullam libero voluptate laboriosam. Facilis laboriosam minus nemo tempore fugit reiciendis asperiores, voluptate magnam perspiciatis veritatis veniam repellat consequatur accusantium, consectetur ea odit magni iusto provident quod sed ratione ad voluptates sit quasi! Similique sapiente libero vero omnis illum repellendus. Ea dolor eligendi odio, beatae iste possimus necessitatibus cum nemo amet aut eos atque quo ad reiciendis sed sapiente, eaque id. Nobis blanditiis voluptate perferendis ipsum sapiente repudiandae? Incidunt sit laborum aliquid, voluptates, deserunt sed cum quos qui reprehenderit esse debitis molestias laboriosam ipsam nesciunt? Aliquid ducimus iste dicta provident inventore praesentium harum repudiandae quasi incidunt? Reiciendis culpa unde necessitatibus quia, et corporis doloribus incidunt voluptate sequi ipsum maxime saepe adipisci, aliquam eius? Aliquid maxime beatae placeat, laboriosam rem quam repellat voluptatibus sapiente, qui asperiores tempore repellendus dolores architecto autem, delectus accusamus doloremque! Qui modi dolore, dolorem natus ipsum harum, quaerat, optio et iure minus dignissimos nobis itaque eligendi esse consequuntur enim incidunt culpa ullam alias voluptatibus? Provident corporis nulla numquam voluptatem nihil veniam impedit nam molestias id magni, eos adipisci non unde maiores cum repellendus! Illum cupiditate nostrum illo, aspernatur minus accusamus dolores assumenda expedita in voluptatibus dolore numquam non excepturi explicabo laudantium. Fugit iure cumque quas unde recusandae tempora omnis ullam cum.

        </p>

       </div>

       <div id="footer">Footer</div>

    </body>

</html>

## Style.css

\*{

*margin*: 0;

*padding*: 0;

}

html{

*width*: 100%;

*height*: 100%;

}

#header, #footer{

*width*: 100%;

*height*: 200px;

*background-color*: yellowgreen;

*padding*: 5px;

}

#navbar{

*width*: 100%;

*height*: 50px;

*background-color*: tomato;

*padding*: 5px;

*position*: sticky;

*top*: 0;

}

#box{

*width*: 100%;

*padding*: 10px;

}

#navbar ul li{

*display*: inline-block;

*list-style-type*: none;

*padding*: 10px;

*line-height*: 30px;

*color*: white;

}

# z-index

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Z-index</title>

    <style>

        /\* this code is run some of them command please \*/

        /\* Z-index is high that is first \*/

        /\* Z-index is 0 that is last \*/

        /\* Z-index is -ve that is outside the parent \*/

        .box{

*width*: 800px;

*height*: 500px;

*background*: #ccc;

*position*: relative;

        }

        .box div{

*height*: 200px;

*width*: 200px;

*position*: absolute;

        }

        .box-1{

*background*: teal;

*color*: white;

*top*:100px;

*left*: 50px;

*z-index*: 2; /\*top\*/

        }

        .box-2{

*background*: orangered;

*color*: white;

*top*:150px;

*left*: 100px;

*z-index*: -1;/\*outside the parent\*/

        }

        .box-3{

*background*: purple;

*color*: white;

*top*:200px;

*left*: 150px;

*z-index*: 0;/\*last\*/

        }

    </style>

</head>

<body>

    <h1>Z-index in CSS</h1>

    <div class="box">

        <div class="box-1">Box-1</div>

        <div class="box-2">Box-2</div>

        <div class="box-3">Box-3</div>

    </div>

</body>

</html>

# Outline

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            div{

*width*: 300px;

*border*: 3px solid brown;

*padding*: 30px;

*outline*: 2px solid blue;

*outline-width*: 3px;

*outline-style*: dotted;

*outline-color*: red;

*outline-offset*: 3px;

            }

        </style>

    </head>

    <body>

        <h1>Outline in CSS</h1>

        <div>

            <p>

                Lorem, ipsum dolor sit amet consectetur adipisicing elit. Voluptas iure dignissimos laudantium nostrum ratione labore earum velit minima harum. Culpa blanditiis quaerat mollitia odio laudantium iure iusto quis assumenda excepturi.

            </p>

        </div>

    </body>

</html>

<!--

    outline-width

    outline -style

        \* solid

        \* dotted

        \* dashed

        \* double

        \* groove

        \* ridge

        \* inset

        \* outset

        \* none

    outline-color

    outline-offset

-->

# min-height & max-height

min-height denoted as minimum height(that is atleast height, more content are there, its expand)

max-height denoted as maximum height(that is atmost height, more content are there, it cannot expand)

# max-width & max-height

It is similar to height

# Box-Sizing

* Border-box
* Content-box is default

Picture

Picture

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            div{

*width*: 300px;

*height*: 300px;

*background-color*: aliceblue;

*padding*: 10px;

*border*: 10px solid black;

*box-sizing*: border-box;

            }

        </style>

    </head>

    <body>

        <h1>Box-Sizing in CSS</h1>

        <div>

            Lorem  Culpa id alisllam aspernatur, iure sequi labore doloremque odit! Nesciunt a animi qui aliquid iusto mollitia veritatis quae debitis error reprehenderit rem ratione, ex minima excepturi accusantium eaque. Reiciendis cum culpa provident, ipsum quam ab repellendus esse fugit autem doloremque in distinctio ex totam, nesciunt facere illo. Reprehenderit cupiditate totam, minus mollitia repellat quia accusantium ipsa in quasi repudiandae dolorem eos ipsam quidem, cumque debitis quis,

        </div>

    </body>

</html>

# Overflow

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            div{

*width*: 500px;

*height*: 200px;

*border*: 5px solid green;

*overflow*: visible; /\*Default\*/

*overflow*: hidden;

*overflow*: scroll;

*overflow*: auto;

*overflow-y*: scroll; /\*Manual\*/

*overflow-x*: scroll;

            }

            img{

*width*: 100%;

            }

        </style>

    </head>

    <body>

        <h1>Overflow in CSS</h1>

        <div>

            <img src="natural.webp" alt="">

            Lorem ipsum, dolor sit amet consectetur adipisicing elit. Ipsum obcaecati in enim ea nostrum eligendi eius reiciendis, illo, assumenda veniam eos aut excepturi ut, suscipit consectetur neque voluptate inventore sunt eveniet nam at dignissimos. Deleniti, odio. Assumenda suscipit id doloremque, ducimus quisquam inventore deleniti est possimus. Obcaecati ipsam quis, fugiat eum in quam dignissimos consectetur quas rerum possimus vero, quae corrupti quos reiciendis minima sed delectus illum voluptatum? Voluptatibus sunt magnam non amet quis asperiores nemo quas, facilis voluptas porro ab eum illum provident qui, architecto praesentium labore! Eaque esse aliquam exercitationem corporis reiciendis optio, tempore itaque, similique aperiam aspernatur iste cum perspiciatis maxime dignissimos eius sit qui. Ex corporis aperiam perspiciatis libero sit modi. Aut praesentium quam harum illum optio beatae rem nobis placeat autem maiores. Minima fugiat deleniti quibusdam ad, non nostrum quas autem placeat illo perspiciatis incidunt doloremque distinctio eos impedit. Id culpa aut saepe ab sapiente.

        </div>

    </body>

</html>

# CSS Selector

1. Simple Selectors
2. Element
3. Class
4. Id
5. Universal
6. Combinators Selectors
7. Descendant
8. Direct child
9. Adjacent siblings
10. General siblings
11. Attribute selectors
12. Pseudo Class selectors
13. Pseudo element selectors

## Simple selectors

### Element selectors

Particular element can be select

        h1{

*font-size*: 30px;

        }

### Class

Can select select group of selectors

.box{

*font-size*: 30px;

        }

### Id

Id is unique that can be select particular unique element

        #one{

*font-size*: 30px;

        }

### Universal selectors

All the elements can be select(all tag)

\*{

*margin*: 0;

*padding*: 0;

        }

## Combinators Selectors

### Descendant

 .box p{

*color*: red;

        }

        .box p span{

*color*: blue;

*font-weight*: bold;

        }

### Direct child

Only select direct child

.box > p{

*color*: blue;

        }

### Adjacent siblings

Nearby element can select

.box + p{

*color*: blue;

        }

### General siblings

## Attribute selectors

## Pseudo Class selectors

:root pseudo selectors

:root{

            --bgcolor: aliceblue;

            --txtcolor: teal;

        }

        h1{

*color*: var(--txtcolor);

        }

        p{

*color*: var(--txtcolor);

*background*: var(--bgcolor);

        }

Pseudo class selectors | first-child | last-Child

Child(Pseudo selectors) should have parent, then it is work

 /\* choosing first child \*/

        li:first-child{

*color*: orange;

        }

        /\* choosing last child \*/

        li:last-child{

*color*: red;

        }

        /\* Choosing specific selectors and first child or last child \*/

        #list-1 li:first-child{

*color*: teal;

        }

Pseudo class selectors | nth-child() | nth-last-Child()

 /\* Choosing nth child \*/

       li:nth-child(5){

*color*: blue;

       }

       /\* Choosing specific list nth child \*/

       #list-1 li:nth-child(5){

*color*: teal;

       }

       /\* Choosing last child that is reverse order that is last element is first element \*/

       li:nth-last-child(1){

*color*: red;

       }

       /\* Also possiuble formula

       2n

       2n+1

       3n-1 where n=0,1,2,3,4,5,6...... \*/

       /\* Choosing formula in nth-child()\*/

       li:nth-child(2n){

*color*: blue;

       }

Pseudo class selectors | nth-of-type() | nth-last-of-type ()

Child need not have parent

p:nth-of-type(1){

*color*:red

      }

      p:nth-last-of-type(1){

*color*:blue

      }

      li:nth-of-type(1){

*color*:red

      }

      li:nth-last-of-type(1){

*color*:blue

      }

//also using odd, even, formula and useful in table styling

Pseudo class selectors | :only-child()

should have parent

Parent should have only one child, the it is work

li:only-child{

*color*: teal;

    }

Pseudo class selectors | :only-of-type()

Need not have parent

But only one element in document

li:only-of-type{

*color*: teal;

    }

    p:only-of-type{

*color*: red;

    }

Pseudo class selectors | :first-of-type() | :last-of-type()

It can select first or last element with parent or without parent

li:first-of-type{

*color*:red;

    }

    li:last-of-type{

*color*:green;

    }

    p:first-of-type{

*color*:red;

    }

    p:last-of-type{

*color*:green;

    }

Pseudo class selectors | :empty

Only select empty tag(eg : paragraph)

Note that space is also character, it means have content

p:empty{

*padding*: 10px;

*border*: 2px solid red;

    }

Pseudo class selectors | :not

It is used to select the tag based on not

Eg select paragraph based on not class para

 p.para{

*color*: red;

        }

        p:not(.para){

*color*: blue;

        }

Pseudo class selectors | :lang

It is used to style language based

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Element selectors</title>

    <style>

       p:lang(en){

*color*: red;

       }

       p:lang(fr){

*color*: blue;

       }

    </style>

</head>

<body>

    <h1>heading</h1>

    <p lang="fr">Ainsi, les salons se parent de bougies et de sapins. En général, les français optent pour des sapins en pot afin de prolonger la magie du moment. L'arbre odorant est paré de guirlandes et de boules tandis qu'une étoile chatoyante est ajoutée sur la cime. Bien entendu les cadeaux de Noël seront déposés uniquement le 24 décembre au soir afin de permettre le déballage le lendemain matin.</p>

    <p lang="en">Lorem ipsum, dolor sit amet consectetur adipisicing elit. Ratione aperiam sit, non debitis nisi molestiae blanditiis iste tempora voluptatum expedita a necessitatibus laudantium! Molestias, veniam enim! Ea ut saepe doloremque!</p>

</body>

</html>

Pseudo class selectors :link | :hover | :visited | :active

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>anchor tag</title>

    <style>

        div a{

*display*: inline-block;

*width*: 100px;

*height*: 30px;

*background-color*: aliceblue;

*text-align*: center;

*line-height*: 30px;

        }

        a:link{

*color*: pink;

        }

        a:hover{

*background-color*: teal;

*color*:white

        }

        a:active{

*color*: orangered;

        }

        a:visited{

*color*: blue;

        }

    </style>

</head>

<body>

    <div>

        <a href="#l11">link-1</a>

        <a href="#l22">link-2</a>

        <a href="#l33">link-3</a>

        <a href="#l44">link-4</a>

    </div>

</body>

</html>

Pseudo class selectors| :target

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            p{

*padding*: 10px;

*background-color*: aliceblue;

            }

            p:target{

*background-color*: aquamarine;

*color*: blue;

            }

        </style>

    </head>

    <body>

        <h1>Target</h1>

        <a href="#para-1">para-1</a>

        <a href="#para-2">para-2</a>

        <a href="#para-3">para-3</a>

        <p id="para-1">Lorem ipsum dolor sit amet consectetur adipisicing elit. Vitae non quas quaerat corrupti aspernatur, tempore est dicta deleniti obcaecati, ducimus odit, id magni? Earum magnam ullam molestiae expedita odio ea.</p>

        <p id="para-2">Lorem ipsum dolor sit amet consectetur adipisicing elit. Vitae non quas quaerat corrupti aspernatur, tempore est dicta deleniti obcaecati, ducimus odit, id magni? Earum magnam ullam molestiae expedita odio ea.</p>

        <p id="para-3">Lorem ipsum dolor sit amet consectetur adipisicing elit. Vitae non quas quaerat corrupti aspernatur, tempore est dicta deleniti obcaecati, ducimus odit, id magni? Earum magnam ullam molestiae expedita odio ea.</p>

    </body>

</html>

Form CSS Pseudo class selectors

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            /\* Focus \*/

            #txt:focus{

*outline*: none;

*border*: 1px solid brown;

            }

            /\* checkbox is tick then work \*/

            input[type="checkbox"]:checked{

*box-shadow*: 0 0 0 3px red;

            }

            /\* enabled \*/

            input[type="text"]:enabled{

*background-color*: pink;

            }

            /\* Disabled \*/

            input[type="text"]:disabled{

*background-color*: red;

            }

            /\* required \*/

            input[type="text"]:required{

*background-color*: green;

            }

            /\*Read write  \*/

            input[type="email"]:read-only{

*background-color*: gray;

            }

            /\*Read only  \*/

            input[type="email"]:read-write{

*background-color*: plum;

            }

            /\* invalid \*/

            input[type="text"]:invalid{

*border-color*: red;

            }

            /\* valid \*/

            input[type="text"]:valid{

*border-color*: rgb(15, 225, 15);

            }

            /\* Default in radiobutton \*/

            input[type="radio"]:default{

*box-shadow*: 0 0 0 3px green;

            }

            /\* Select default option \*/

            option:default{

*color*: red;

            }

        </style>

    </head>

    <body>

        <h1>Form CSS Pseudo Class Selector</h1>

        <span>:focus</span>

        <input type="text" id="txt">

        <hr>

        <span>:checked</span>

         <input type="checkbox" id="cricket">

         <label for="cricket">Cricket</label>

         <input type="checkbox" id="football">

         <label for="football">Football</label>

         <input type="checkbox" id="tennis">

         <label for="tennis">Tennis</label>

         <!-- for attrribute is important for attribut la entha element target panirigalo atha kudukanum-->

         <hr>

         <span>:enabled :disabled :required :optional</span>

         <br>

         <input type="text">

         <br>

         <input type="text" disabled>

         <br>

         <input type="text" required>

         <br>

        <hr>

         <span>:read-only :read-write</span>

         <br>

         <input type="email" >   <!--read-write is default-->

         <br>

         <input type="email" readonly>

         <br>

         <span>:valid :invalid</span>

         <br>

        <input type="text" placeholder="Enter Username" pattern="[a-z]\*"> <!--Regular expression (pattern) -->

        <hr>

        <span>Default</span>

        <br>

        <input type="radio" name="gender" id="male" checked>

        <label for="male">Male</label>

        <input type="radio" name="gender" id="female">

        <label for="female">Female</label>

        <hr>

        <select >

            <option value="">select</option>

            <option value="C">C</option>

            <option value="C++">C++</option>

            <option value="Java">Java</option>

            <option value="CSS" selected >CSS</option>

        </select>

    </body>

</html>

is() Pseudo Class Selector

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            #d1{

*background-color*: aliceblue;

            }

            #d2{

*background-color*: antiquewhite;

            }

            /\* Now task \*/

            /\* d1 la irruka h2,h3,h4 select panuga d2 \*/

            /\* Normal Method \*/

            #d1 h2,

            #d1 h3,

            #d1 h4{

*color*: red;

            }

            /\* Easy method \*/

            #d1 :is(h2,h3,h4){

*color*: blue;

            }

            /\* Other Task \*/

            /\* d1 la irruka h2 and d2 la irruka h2 select panuga \*/

            /\* Normal Method \*/

            #d1 h2,

            #d2 h2{

*color*: green;

            }

            /\* Easy method \*/

            :is(#d1,#d2) h2{

*color*: brown;

            }

            /\* Other new task \*/

            /\* d1, d2 la irruka h2 and paragraph select panuga \*/

            :is(#d1,#d2) :is(h2,p){

*color*: red;

            }

            /\* Hover  \*/

            :is(#d1,#d2) h2:hover{

*color*: chocolate;

            }

        </style>

    </head>

    <body>

        <h1>is() Pseudo Class Selector</h1>

        <div id="d1">

            <h2>H2 - Heading One</h2>

            <h3>H3 - Sub Heading - 1</h3>

            <p>

                Lorem ipsum dolor sit amet consectetur adipisicing elit. Deleniti saepe a hic consectetur! Eum quam molestiae cumque tenetur sapiente cupiditate perferendis excepturi odio nulla dignissimos. Cupiditate deserunt accusamus ratione odio!

            </p>

            <h4>H4 - Sub Heading - 2</h4>

            <p>

                Lorem ipsum dolor sit amet consectetur adipisicing elit. In impedit corrupti expedita itaque veniam voluptatem ut, iste numquam illo quidem, omnis adipisci nostrum temporibus amet! Quo, officia! Deleniti, fuga facere.

            </p>

        </div>

        <hr>

        <div id="d2">

            <h2>H2 - Heading Two</h2>

            <p>

                Lorem ipsum dolor sit, amet consectetur adipisicing elit. Blanditiis error animi, ut laborum porro nostrum eos eveniet deleniti, provident vel veniam consequatur! Eveniet, architecto quos! Tempore dolorum doloribus consequatur nihil?

            </p>

        </div>

        <!-- This para is outside therefore cannot do any thing -->

        <p>

            <b>Outside</b> Lorem ipsum dolor sit amet consectetur adipisicing elit. Aliquam, dolorem alias? Impedit fugit, nam velit cum quidem blanditiis corrupti officia reprehenderit vitae repellendus, laudantium ducimus voluptas praesentium ratione unde adipisci.

        </p>

    </body>

</html>

## Pseudo element selectors

::before

::after

::first-letter

::selection

::placeholder

<!DOCTYPE html>

<html lang="en">

<html>

    <head>

        <title>Tutorials</title>

        <style>

            /\* Placeholder \*/

            input::placeholder{

*color*: teal;

            }

            /\* Selection \*/

            p::selection{

*background-color*: #222f3e;

*color*: white;

            }

            /\* First letter pseudo selectors \*/

            P::first-letter{

*font-size*: 40px;

*font-weight*: bold;

*color*: red;

            }

            p::first-line{

*color*: blue;

            }

            .box{

*background-color*: #333;

*color*: white;

*width*: 300px;

*height*: 100px;

*position*: relative;

            }

            /\* Before and after acts a element

            speciality, both before and after selectors styling individual

            before and after selectors inside block la irrukum(eg box)

            position property do and style individual \*/

            .box::before{

                /\* complusory content irrukanum may empty or some information \*/

*content*:'';

*width*: 100%;

*height*: 20px;

*background-color*: #ff4757;

*position*: absolute;

*top*:0;

*left*: 0;

            }

            .box::after{

                /\* compulsory content irrukanum may empty or some information \*/

*content*:'';

*width*: 100%;

*height*: 20px;

*background-color*: #ff4757;

*position*: absolute;

*bottom*:0;

*left*: 0;

            }

        </style>

    </head>

    <body>

        <h1>Pseudo element selectors</h1>

        <div class="box">Pseudo elements</div>

            <p>

                Lorem ipsum dolor, sit amet consectetur adipisicing elit. Non ratione nesciunt quasi, earum quo veniam eligendi culpa in, reiciendis quas aperiam quam sint, corrupti dolorum iusto magnam officia! In, porro?

            </p>

            <p>

                Lorem ipsum dolor, sit amet consectetur adipisicing elit. Non ratione nesciunt quasi, earum quo veniam eligendi culpa in, reiciendis quas aperiam quam sint, corrupti dolorum iusto magnam officia! In, porro?

            </p>

            <input type="text" placeholder="Enter Name">

        </div>

        </div>

    </body>

</html>

Transition in CSS

1. transition-property
2. transition-duration
3. transition-delay
4. transition-timing-function
5. transition

|  |  |
| --- | --- |
| units | Description |
| ease | Start slow 🡪Fast 🡪 End slowly |
| linear | Maintain same speed from start to end |
| ease-in | Slow start and speed |
| ease-out | Slow end |
| ease-in-out | Slow start and end |
| step-start |  |
| step-end |  |
| step(4,end) |  |
| cubic-bezier | We can create with own values  Google search |

|  |
| --- |
| Transitional properties |
| Background |
| Background-color |
| Background-position |
| Background-size |
| Backdrop-filter |
| border |
| border-block-end |
| border-block-end-color |
| border-block-end-width |
| border-block-start |
| border-block-start-color |
| border-block-start-width |
| border-bottom |
| border-bottom-color |
| border-bottom-left-radius |
| border-bottom-right-radius |
| border-bottom |
| border-bottom-color |
| border-bottom-width |
| border-color |
| border-end-end-radius |
| border-end-start-radius |
| border-image-outset |
| border-image-slice |
| border-image-width |
| border-inline-end |
| border-inline-end-color |
| border-inline-end-width |
| border-inline-start |
| border-inline-start-color |
| border-inline-start-width |
| border-left |
| border-left-color |
| border-left-width |
| border-radius |
| border-right |
| border-right-color |
| border-right-width |
| border-start-end-radius |
| border-start-start-radius |
| border-top |
| border-top-color |
| border-top-left-radius |
| border-top-right-radius |
| border-top-width |
| border-width |
| bottom |
| box-shadow |
| caret-color |
| clip |
| clip-path |
| color |
| column-count |
| column-gap |
| column-rule |
| column-rule-color |
| column-rule-width |
| column-width |
| columns |
| filter |
| flex |
| flex-basis |
| flex-grow |
| flex-shrink |
| font |
| font-size |
| font-size-adjust |
| font-stretch |
| font-variation-settings |
| font-weight |
| gap |
| grid-column-gap |
| grid-gap |
| grid-row-gap |
| grid-template-columns |
| grid-template-rows |
| height |
| inline-size |
| input-security |
| inset |
| inset-block |
| inset-block-end |
| inset-block-start |
| inset-inline |
| inset-inline-end |
| inset-inline-start |
| left |
| letter-spacing |
| line-clamp |
| line-height |
| margin |
| margin-block-end |
| margin-block-start |
| margin-bottom |
| margin-inline-end |
| margin-left |
| margin-right |
| margin-top |
| mask |
| mask-border |
| mask-position |
| mask-size |
| max-block-size |
| max-height |
| min-inline-size |
| max-lines |
| max-width |
| min-block-size |
| min-height |
| min-inline-size |
| min-width |
| object-position |
| offset |
| offset-anchor |
| offset-distance |
| offset-path |
| offset-position |
| offset-rotate |
| opacity |
| order |
| outline |
| outline-color |
| outline-offset |
| outline-width |
| padding |
| padding-block-end |
| padding-block-start |
| padding-bottom |
| padding-inline-end |
| padding-inline-start |
| padding-left |
| padding-right |
| padding-top |
| perspective |
| perspective-origin |
| right |
| rotate |
| row-gap |
| scale |
| shape-margin |
| scroll-margin-block |
| scroll-margin-block-end |
| scroll-margin-block-start |
| scroll-margin-inline |
| scroll-margin-inline-end |
| scroll-margin-inline-start |
| scroll-margin-left |
| scroll-margin-right |
| scroll-margin-top |
| scroll-padding |
| scroll-padding-block |
| scroll-padding-block-end |
| scroll-padding-block-start |
| scroll-padding-bottom |
| scroll-padding-inline |
| scroll-padding-inline-end |
| scroll-padding-inline-start |
| scroll-padding-left |
| scroll-padding-right |
| scroll-padding-top |
| scroll-snap-coordinate |
| scroll-snap-destination |
| scrollbar-color |
| shape-image-threshold |
| shape-margin |
| shape-outside |
| tab-size |
| text-decoration |
| text-decoration-color |
| text-decoration-thickness |
| text-emphasis |
| text-emphasis-color |
| text-indent |
| text-shadow |
| text-underline-offset |
| top |
| transform |
| transform-origin |
| translate |
| vertical-align |
| visibility |
| width |
| word-spacing |
| z-index |
| zoom |
|  |

# Flex Box

* Flex box is not a framework or anything like that. Its is a new box model and no extra dependencies required.
* Flex stands for flexible, adaptive

**Flex box is the alternative for**

display: block;

display: inline;

display: inline-block;

**Advantages of flex box**

* Easy to align element in vertical centering
* Flex box can have display order reversed or rearranged at the style layer
* One of the main advantages of flexbox is the ability to fill extra space without the need to use JavaScript

Main Axis and Cross axis

* Main axis represents x axis
* Cross axis represents y axis

Flex-direction