

* **css** - cascading style sheet

- Used to styling our webpage.
- makeup and beautiful our webpage.

* **framework** - Bootstrap

* Three way to write our css.

* **Inline css** - we can write style attribute

* **External css** - we can write css in style tag above head tag.

* **External css** - we can create external file style.css and then import in our file using Link.

* **selectors** - fetch the html elements for styling and for more work.

* **simple selectors**. 1) class selector

2) id selector

3) name selector or tag selector.

* Combinator selector

↳ Descendent selector

Select all HTML element which are in the specific element.

Example - <style>

```
div-items li {  
    color: black,
```

```
</style>
```

Example -

```
<body>
```

```
    <div class="div-items">
```

```
        <li> HTMLS </li>
```

```
    </div>
```

```
</body>
```

*2) child selectors.

select all the elements which are children of specified element.

Example:- <style>

div p { color: red; }

</style>

Example:- <div>

<p> hollow </p>

<p> HTML </p>

</div>

<p> hollow </p>

<p> CSS </p>

--- parent

--- child.

--- siblings.

epniddi {

27/07/23 blinks

3) General sibling selectors.

Select all the elements which are sibling of specific element

Example :- <style>

```
div ~ p, h1 {  
    color: red  
}
```

</style>

Example :- <div>

```
<p> Hello </p>  
<p> world </p>  
<h1> ReactJS </h1>
```

--- parent
--- child
--- siblings

4) Adjacent sibling selectors. *(possible because)*

Select element which are direct sibling of specific element.

Example: <style>

```
div + p {  
    color: red;  
}
```

Example:-

```
<div>  
    <p> Hello </p>  
    <p> HTML </p>  
</div>  
    <p> Hello </p>  
    <p> CSS </p>  
    --- parent  
    } -- child  
    } ← direct sibling (1)  
    } --- siblings.
```

* Universal selector. ~~not for grid~~ ~~possible~~

It is used to styling all html content
Indicate by (*)

Example:- <style>

```
*{  
    margin: 0;  
    padding: 0;  
    box-sizing: border-box;  
}
```

(i) grid for id → {
 grid-template-columns: 1fr 1fr 1fr;
 grid-template-rows: 1fr 1fr 1fr;
}

* pseudo classes.

:link, :hover, :visited, :active, :first-child, :last-child,
:nth-type(2), :nth-type(even)odd), :focus.

* pseudo element

::before, ::after, ::selection, ::first-line, ::last-line

* link - yet to unvisited

* visited - yet to visited

* hover - when hover

* active - when select or click

p:before {

content: hollow

--- by default property.

}

::selection --- selection color change.

* Box model in css

- everything in a html is box
- It can be inline level either block level element
- It contain border, margin, padding.

border-style: solid, dotted, dashed, groove, Inset.

* Example: border: 2px solid black;

border-width border-style border-color

* outline - Apply outside the border

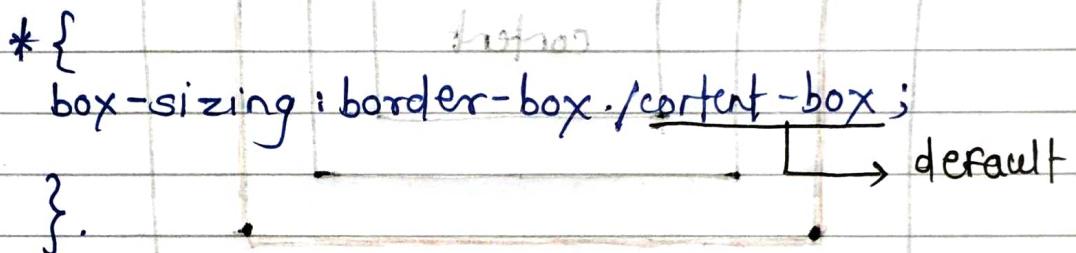
* Example: outline: 2px groove red;

outline-width outline-style outline-color

* Box-sizing Border Box. ~~pushes~~ (no effect)

Remove the outside border and adjust into inside box.

Example:



* Border Radius Box.

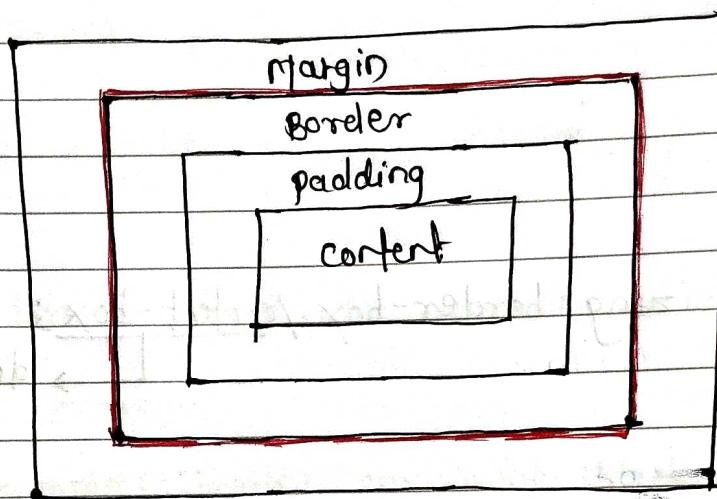
Helps to give curve shape, rounded shape

Example:

① border-radius : 50px 20px ;
 ↓ ↓ ↓ ↓
 left middle right Top bottom

② border-radius : 10px 20px 40px 50px ;
 ↓ ↓ ↓ ↓
 Top Right Bottom Left

- * Margin and padding.
- * Margin : Give spacing outside the border or outside the box.



Example :

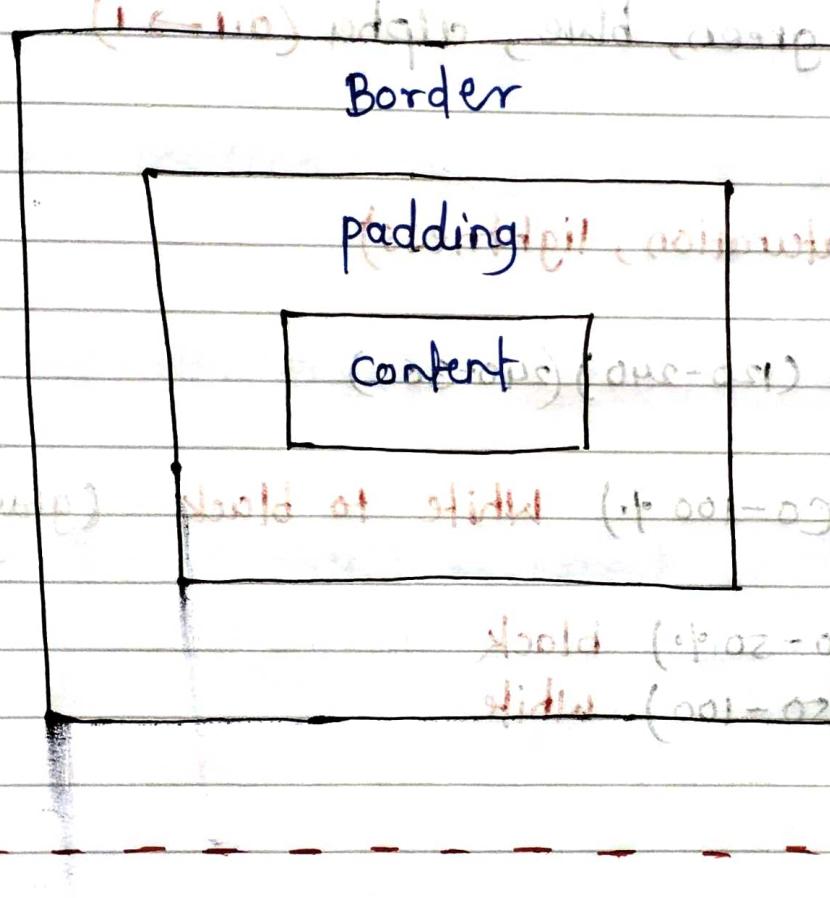
Margin : 10px 20px ;
↓ ↓

Top, Bottom left, Right

Margin : 10px 20px 30px 40px ;
↓ ↓ ↓ ↓
arbitrary Top right Bottom left

padding. Give spacing inside the border or inside the box.

example:-



Example:

padding : 10px 20px;

Top-Bottom left-right

padding : 10px 20px 30px 40px;

Top right Bottom left

* Color Ways.

- 1) By color Name - e.g. 'red'
- 2) Using hex code - e.g. #FFFF
- 3) rgb - red, green, blue
- 4) rgba - red, green, blue, alpha (0.1 → 1)

* HSL (Hue, saturation, lightness)

- * Hue - (0-120) (120-240) (240-360)
- * saturation - (0-100 %) white to black (gray)
- * Lightness - (0-50 %) black (50-100) white

* set background Image

printing test

background-image : url ("path")

(~~not display as image~~)

background-repeat : no-repeat, repeat, repeat-x, repeat-y.

background-size : (100%) (100%)

(~~x-axis~~) (~~y-axis~~) - ~~width & height~~

background-position : top left, top center, top right
: bottom left, bottom center, bottom right

background-attachment : fixed, scroll default

* background : url ('path') no-repeat center center/cover;

↓ ~~repeat~~ ~~center~~ ~~center/cover~~
Url(path of image) repeat property

: test-agile-test

: ticket-agile-test

* Font property

spontaneous fire

* text-decoration: none

: underline

: line-through (same as delete tag)

: overline (line at top)

* text-decoration-color: (color name)

* text-decoration-style: dotted

* text-transform: Uppercase

: lowercase

: capitalize

* text-align: center

: justify (Inline spacing)

: left, right

padding tag (spontaneous fire)

* text-align-last:

Last line of paragraph spacing.

* text-align-indent:

First line of paragraph spacing.

* word-spacing : 10px *allow for width of*

* line-height : 1.0 → 35 *height of one line*

Give spacing between two lines.

* Units

* 96px - 1 inch

* em - Give font size relative to the parent element or font size multiple of their actual font size

* rem - Give font size relative to the document root elements or font size according to the root element

* % - font size according to the actual font size

* Height and width.

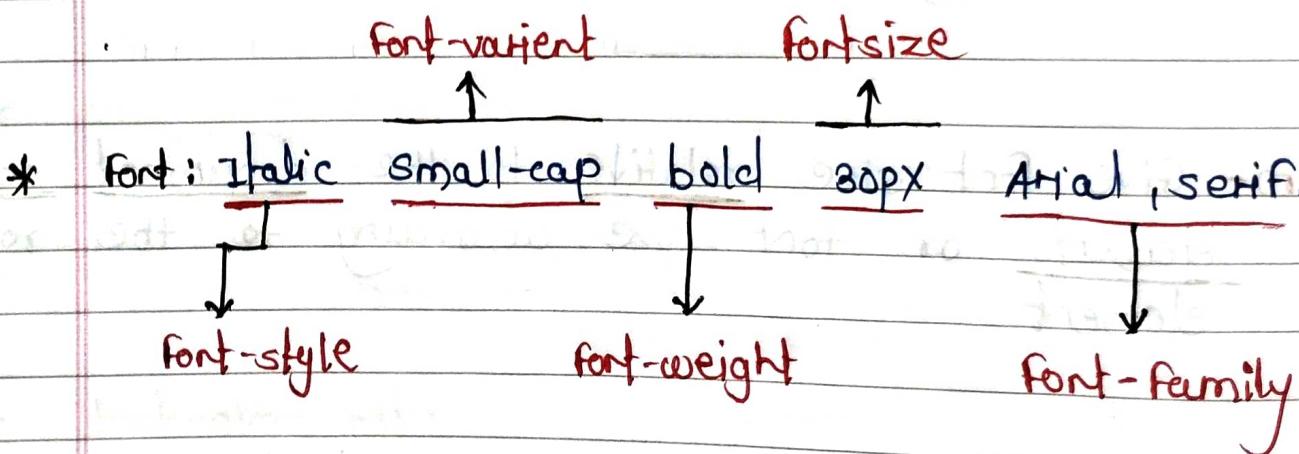
* vh - view port height

* vw - view port width without associated padding or margin

* Web Fonts

* font-variant : small-caps.

Example:



* shadow effects in css : ~~tracing - ribbon~~
~~(adding of shadow - writing)~~

* text-shadow : ~~x-axis y-axis blur color~~
: 1px 1px 10px orange

* Box-shadow : ~~x-axis y-axis blur spread color~~
: 10px 20px 10px 10px red.

* Gradient mixture of color.

* linear-gradient start vertically (from Top side)

Example : background-image: linear-gradient(to left red)

background-image: linear-gradient (to left red blue pink)
direction, color-stop1, color-stop2, 3

- * radial-gradient start from center
(position - default is center)

Example: 1

background-image: radial-gradient (red, green, blue)

color 1 color 2 color 3

Example: 2

background-image: radial-gradient (farthest-corner at 60%, 50%, 90%, 20%) (blue, yellow, green, black)

* background-image: radial-gradient (shape size at position)

* background-image: radial-gradient (circle red green)

* shapes - ellipse (default)
- circle

* size → farthest-corner (default)
→ closest-side
→ closest-corner
→ farthest-side

* Conic-gradient - spread equally to all sides by default 0 degree to center.

Example:

background-image: conic-gradient(red, yellow, green)



color1, color2, color3

Example 2:

background-image: conic-gradient(red 45deg, yellow 90deg, green 210deg)

start: polygon

color and degree for each color

rabbit: utilization

and set about 70% radius in to do things easier

* ~~Overflow~~ ~~overflow~~

Adjust the extra content which goes outside the box.

overflow : auto , overflow : hidden , overflow : scroll

(auto, scroll, both) ~~display: inline-block; border: 1px solid black;~~

overflow-x : auto , overflow-x : hidden , overflow-x : scroll

~~display: flex; justify-content: space-around;~~

overflow-y : auto , overflow-y : hidden , overflow-y : scroll

~~display: flex; align-items: center;~~

* Display and visibility.

Display : none

removes its original space as it is

visibility : hidden

Remains space as it is either just hidden the box

* Positioning in css.

- 1) static - default
- 2) relative - Box move from its original space.
- 3) absolute - move from its parent element either according to its window's size.
- 4) fixed - fixed to screen according to the window
- 5) sticky - scroll from something and then fixed according to the window.

* Top, bottom, left, right.

Example:

```
div.relative {
```

position : relative, absolute, fixed, sticky

top: 80px;

right: 0px;

width: 200px

height: 100px

```
}
```

* Flexbox (flexible box)

- Used to give flexible length to the flexible items.
- used in Grid system.
- Helps to align items in a container
- works two dimensional - either row or columns wise
- Always work in parent box
- Direction - horizontal (x-axis)

* justify-content : center, flex-end, flex-start, space-around, space-evenly, space-between

* flex-grow : To increase specific box size in terms multiple.

* flex-grow: 1 ; ----- used in child.

* order : change the order and shifted towards last

* order: 1

* **Flex-direction : row, column, row-reverse;**

flex-direction : row.

combination of flex-direction and flex-wrap.

* **Flex-wrap for responsive layout for mobile size.**

Flex-wrap : wrap;

Flex-flow : row, wrap-reverse, wrap;

* **text-align-last :** Helps to overlapping other element.

z-index : 1

--- (0-1, 0-999)

* **transition - execute the css property smoothly over specific duration.**

* **transition-property : background-color;**

* **transition-duration : 0.5s ;**

* **transition-delay : 3s;**

* **transition-timing-function : ease, ease-in, ease-in-out, ease-out.**

- * ease → start slowly fast end slowly.
- * ease-in → start slowly.
- * ease-out → End slowly.
- * ease-in-out → start slowly End slowly.

short Hand property.

- * transition: all gs ease-in

~~transition: width 2s; height 2s;~~

~~transition~~

~~transition: width 2s, height 2s, transform 2s;~~

- * Transition ~~transform~~

~~It is used to apply 2d or 3d effects.~~

~~zoom in zoom out effect~~

* >1 (scale to zoom in)

* <1 (scale to zoom out)

* 1 (scale is stable)

Example:

~~transform : scale(0.5)~~

~~transform : scale(1.3)~~

~~transform : scaleX(1.3)~~

~~transform : scaleY(1.3)~~

* ~~transform - translate~~ move from its original space.

Example :

~~transform : translate(120px 300px)~~

~~transform : translateX(300px)~~

~~transform : translateY(300px)~~

* skew - tilted angle wise (deg)

~~transform : skew(30 deg);~~

~~transform : skewX(70 deg);~~

~~transform : skewY(10 deg);~~

* 2D transform methods

transform : translate (100px)

transform : rotate (90 deg)

transform : scale (1.1)

transform : scale (0.5)

transform : skew (30 deg)

transform : matrix (scaleX(), skewY(), skewX(), scaleY(),
translateX(), translateY())

* **Animation** Helps to build animated effect.

* **animation-name : demo;** --- animation Name

* **animation-duration: 5s;** --- time to complete 1 rotation

* **animation-delay: 5s;** --- delay to start

* **animation-iteration-count: infinite;** --- animation executed infinite times.

* **short Hand property.**

animation-iteration-count

* **animation: demo 5s infinite;**

↓ ↓ ↓
animation-name animation-duration animation-iteration-count

(0-100% partition)

@keyframes animation-name {

10% {

}

}

* Media Query.

Helps to build responsive UI for various devices or media types.

Example:

mobile, desktop, tablet, laptop, larger screen

* Media types.

screen - only for laptop, mobile, desktop screen.

All - All media types.

printer - print devices.

Examples:

@media screen And (max-width: 667px)

works between 0 - 667px.

@media (max-width: 667px)

{

styling for mobile devices.

}

* for tablet screen

@media screen And (min-width: 668px) And (max-width: 927px)

{

tablet (working > 668px)

}

* for Laptop devices.

@media screen And (min-width: 927px)

{

work -> 927 px

}

* for Larger screen

@media screen And (min-width: 1200)

{

work > 927px to 1199px

}