

CSS (Cascading Style Sheets)

- It is a style sheet language which defines styles for web pages.

3 Ways to Insert CSS

1) External CSS (Mostly used) (Inside head tag)

```
<head>
```

```
  <link rel="stylesheet" href="Style.css">
```

```
</head>
```

2) Internal CSS (Inside body just after starting of body tag)

```
<body>
```

```
  <style>
```

```
    .div1 {
```

```
      color: red;
```

```
}
```

```
    .box {
```

```
      text-shadow: 1px 1px 1px white;
```

```
    }
```

```
  </style>
```

```
</body>
```

3) Inline CSS (Inside tag)

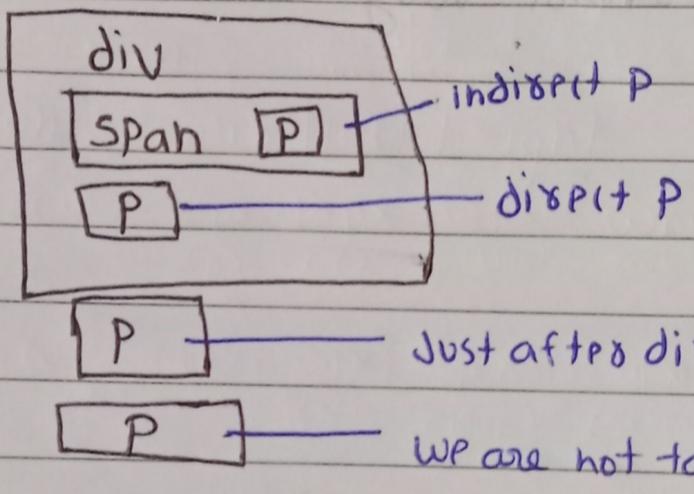
```
<div style="color: red; border: 2px solid red"> Hello </div>
```

COMMENTS : /* multi */

CSS SELECTOR

| | | |
|------------------|-----|-----------------------------------|
| * { } | { } | + select all * |
| #id-name { } | { } | + select id * |
| .class-name { } | { } | + select class * |
| div, p, span { } | { } | + select tag * |
| p.class-name { } | { } | + select tag's class * |
| p#id-name { } | { } | + select tag's id * |

| | | |
|-------------|-----|---|
| div p { } | { } | + select div which span element is p * / direct/indirect |
| div > p { } | { } | + select div whose direct element is p * |
| div + p { } | { } | + select p which is just after div tag close * |



| | | |
|------------------------|-----|---------------------------------|
| li:nth-child(2n+1) { } | { } | + choose specific child n=0,2,* |
|------------------------|-----|---------------------------------|

| | | |
|--------------------------|-----|----------------------|
| input[type="search"] { } | { } | + select attribute * |
|--------------------------|-----|----------------------|

RESPONSIVENESS

a { width: 500px }

@media (min-width: 800px) {

a { width: 300px }

Width and height

- width / Height

45px

Auto

Height over width property
to prsue 1+ sum for
sum.

* If width: 223px important;

- min-width / max-width / min-width min-height / max-height

45px

Auto

~~fix-content~~

~~max-content~~

~~min-content~~

Margin and Padding

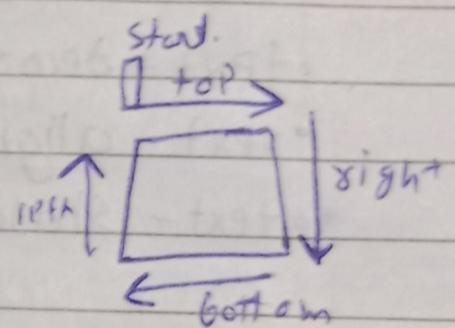
margin: 3px ;

margin: 3px 4px ;

margin: 3px 4px 8px ; top right bottom left

margin: 3px 4px 8px 9px ; top right bottom left

top
bottom
.top right
bottom left

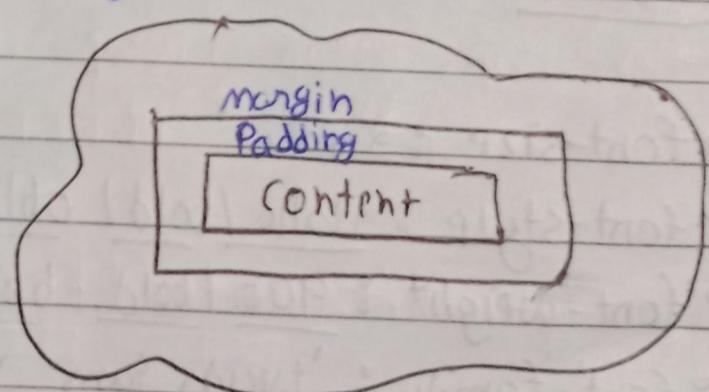


margin-top : 2px ;

margin-bottom : 3px ;

margin-left : 4px ;

margin-right : 5px ;



Space Horizontal / Vertical

(↔) letter-spacing: 10px ;

(↑) line-height : 170px ;

a \longleftrightarrow b
A bishkek
Kuman

Borders

2px

double —
dotted
dashed ---
solid — 2px

- borders: [border-width] [border-style] [border-color]

- border-top

right
bottom
left

- border-radius = 25px (curveness of corners of borders)

Text

- text-transform: Capitalize | UPPERCASE | LOWERCASE

- text-decoration: overline | underline through | underline overline

- text-align: center | left | right

- text-shadow: 12px 12px 12px white
(x) (y) (blur) (color)

- box-shadow: 12px 2px 3px 4px black
(x) (y) (blur) (spread)

FONT

- font-size: 23px;

- font-style: italic | bold | oblique ;

- font-weight: 900 | bold | boldpx | lightpx ;

- font-family: 'Lucida Sans', 'sans-serif' ;

Unit in CSS

% relative to parent

Vh 1% of height of window browser

VW 1% of width of browser window

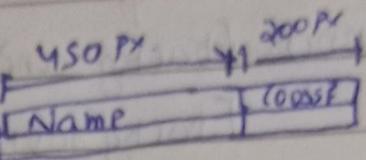
PX fixed

EM relative to fontsize of Parent

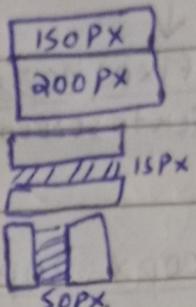
REM relative to fontsize of root (html)

GRID

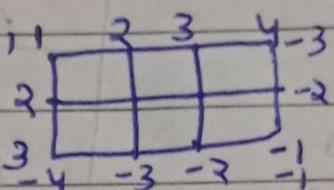
- display: grid
- grid-template-columns: 450px 200px
- grid-template-rows: 150px 200px



- grid-row-gap: 15px
- grid-column-gap: 50px



- justify-content: center
- align-content: center

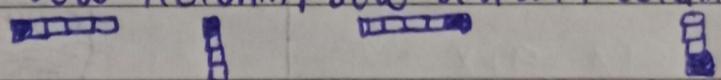


- grid-row: 2/3
- grid-column: 3/-1

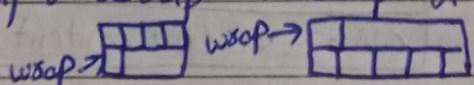
FLEXBOX

display: flex.

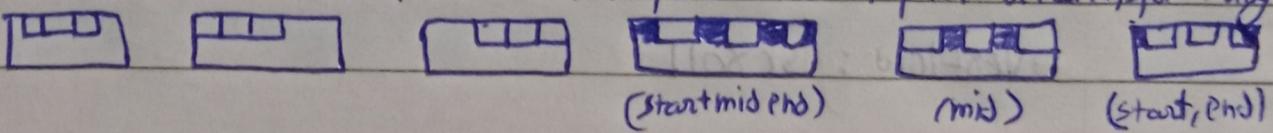
flex-direction: row | column | row-reverse | column-reverse.



flex-wrap: wrap | wrap-reverse



↔ Justify-content: center | flex-start | flex-end | space-around | space-between | space-evenly.

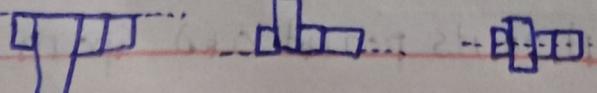


↓ align-content: center | space-around | space-between | space-evenly.

* (justify becomes align and align becomes justify if flex-direction is column)

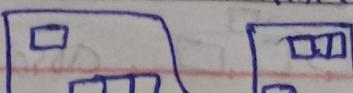
work on
asymmetric
div.

align-items: flex-start | flex-end | baseline.

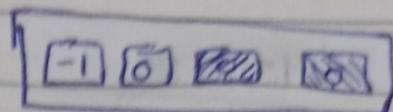


work on individual.

align-self: -flex-start | flex-end | baseline.



order: -1 (by default 0) (lowest value point first)



width
height
not group of flex items: 1 (same size)

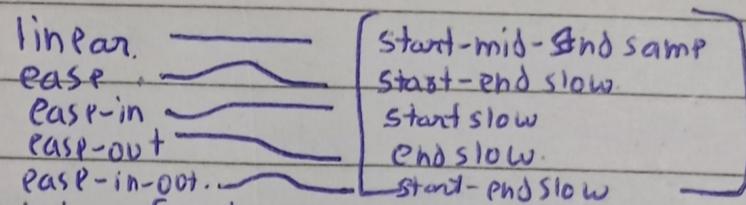
1 2 3 4

flex-shrink: 0, 2 (box wont shrink while minimizing window due to responsiveness)
 width → flex-basis: 200px
 + will shrink 2 times according to its relative box as max-width

Transform

- transform-origin: center | + it is set first before transform property
- transform: translate(3px, 4px) | + move in X and Y + /
- : skew(2deg) | + rotate at mid + /
- : rotate(4deg) | + rotate at end) + /
- : scale(3) | + 3x the size |

Animation



Animation: [Name] [Duration] [Timing-function] [Delay] [Iteration-count] [Direction]
 abhi 3s linear. 1s infinite reverse

@keyframes abhi {

0% { transform: rotate(4deg); } 50% { transform: rotate(14deg); }
 100% { transform: translateX(10); }

CURSOR

| | |
|-------------------|---|
| cursor: crosshair | + |
| move | ↔ |
| text | I |
| wait | Ξ |
| help | ? |
| not-allowed | ∅ |

Hovey

• a: hours & colors: 8 P.D. }

Scrollbar

```
a::webkit-scrollbar { width: 6px; height: 6px; }
```

a::-webkit-scrollbar-thumb { background-color: #ccc; }

```
a.:: -wpbkit-scrollbar-track { width: 3px; height: 4px; background-color: #ccc; }
```