

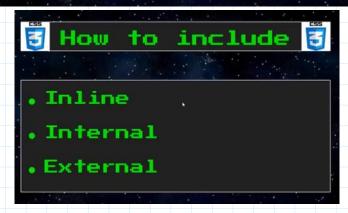
```
Imagine we are building a house...

HTML = structure (ex. floor, roof, walls)

CSS = decorations (ex. paint, furniture)

Javascript = function (ex. lighting, plumbing)
```

```
h1{color:green;}
```



https://ui.glass/generator/

Id > #Idname

Closs > . Clossname

Inline CSS styling

— We can find an element that we want to edit by styling it

Internal CSS styling

— We can target all instances of a certain tag whatever CSS properties we list

Targets all paragraphs

CSS Demo

Lorem ipsum dolor sit amet consectetur adipisicing quas libero totam labore fugit sit ipsa, ratione corpo

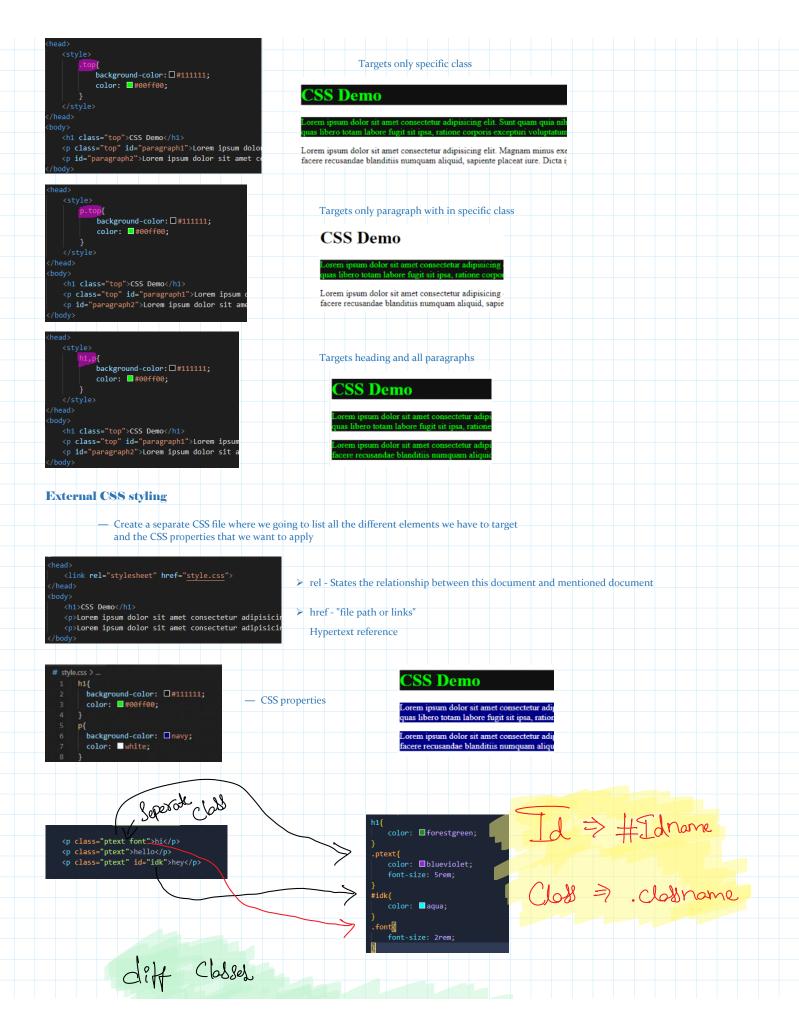
Lorem ipsum dolor sit amet consectetur adipisicing facere recusandae blanditiis numquam aliquid, sapi

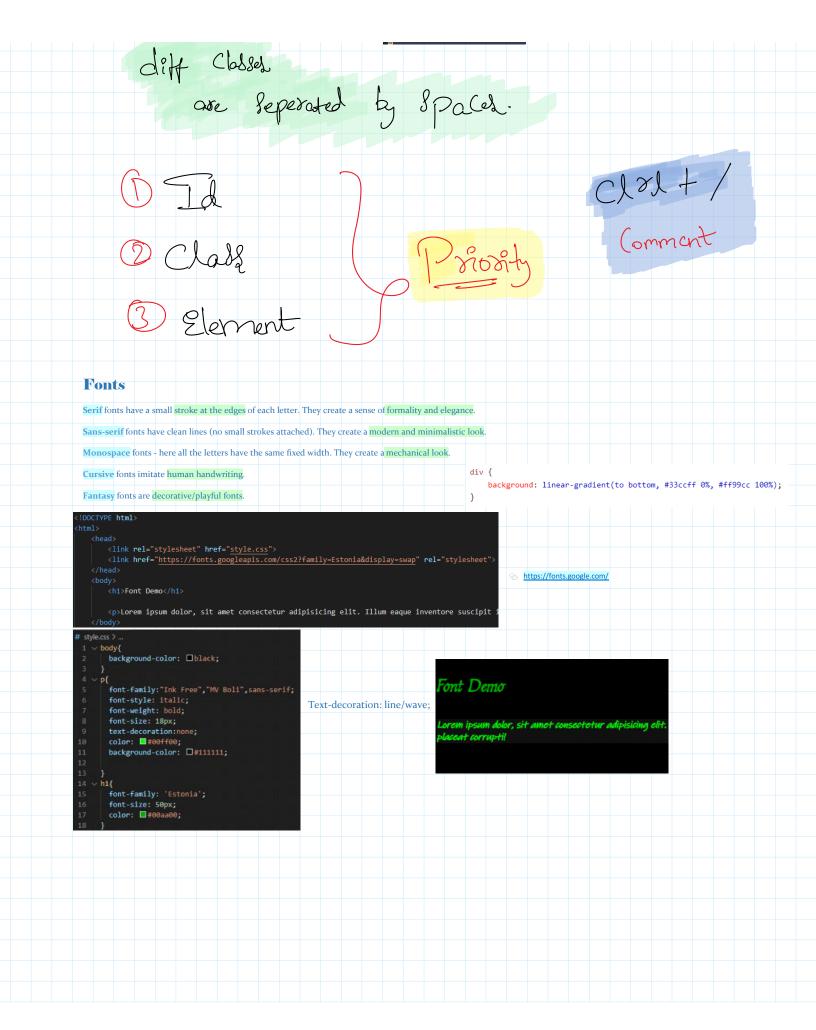
Targets only specific id

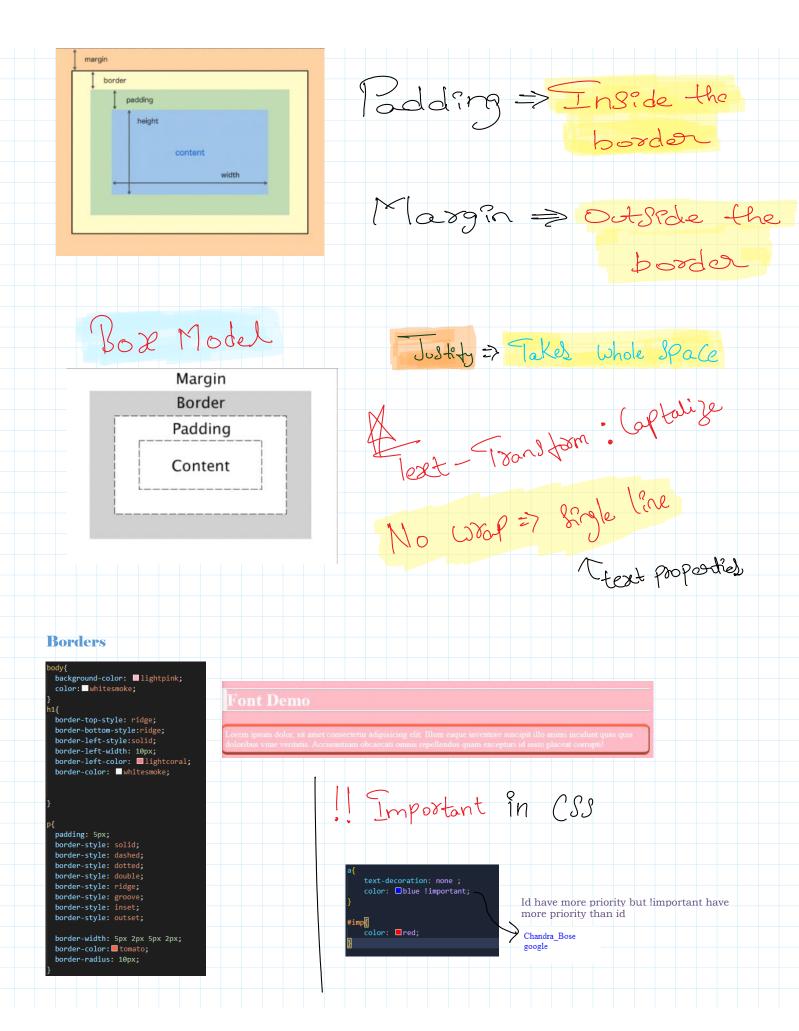
CSS Demo

Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt quam quia nihi quas libero totam labore fugit sit ipsa, ratione corporis excepturi voluptatum,

Lorem ipsum dolor sit amet consectetur adipisicing elit. Magnam minus exer facere recusandae blanditiis numquam aliquid, sapiente placeat iure. Dicta ip



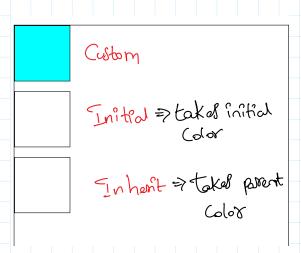






Inherit / Initial

```
#custom-color{
height: 100px;
width: 100px;
border: 1px solid;
background-color: ■ aqua;
}
#initial{
height: 100px;
width: 100px;
border: 1px solid;
background-color: initial;
/* takes initail color */
}
#inherit{
height: 100px;
width: 100px;
width: 100px;
border: 1px solid;
background-color: □ red;
background-color: □ red;
background-color: inherit;
/* Takes parent color */
}
```



Object fit

```
img {
height: 400px;
width: 300px;
border: 1px solid;
object-fit: contain; I
object-position: center;
}
```

How an object/Ing/video gonna fit.

Backgrounds

```
Gradient - progression of one color to another color/colors
   <h1>Background Demo</h1>
   Lorem ipsum dolor, sit amet consectetur adipisicing elit.
   Lorem, ipsum dolor sit amet consectetur adipisicing elit.
   Lorem ipsum dolor sit, amet consectetur adipisicing elit.
</body
  background-image: url("background.jpeg");
                                                                                              #33ccff
                                                                                              #ff99cc
                                                                                                            Background Demo
   background: linear-gradient(■red,■orange,■yellow,□green,□blue,□indigo,■violet);
  color: □white
                                                                                                            Lorem ipsum dolor, sit amet consectetur adipisicing elit.
                                                                                                            Lorem, ipsum dolor sit amet consectetur adipisicing elit.
 #mytext{
                                                                                                            Lorem ipsum dolor sit, amet consectetur adipisicing elit.
  background: linear-gradient(to right, ■pink, ■lightblue);
```

Lorem ipsum dolor sit, amet consectetur adipisicing elit. background: linear-gradient(to right, ■ pink, ■ lightblue); Background Demo Lorem ipsum dolor, sit amet consectetur adipisicing elit. Illum eaque inventore suscipit illo animi incidunt quas quis doloribus vitae veritatis. Accusantium obcaecati omnis repellendus quam excepturi id iusto placeat corrupti Lorem, ipsum dolor sit amet consectetur adipisicing elit. Maxime blanditiis corporis necessitatibus eligendi accusamus, est ipsa rerum dolores reprehenderit commodi, omnis amet incidunt nemo et doloremque, ad cumque quae sapiente! Lorem ipsum dolor sit, amet consectetur adipisicing elit. Dolores quaerat ex, quo quidem quisquam, excepturi placeat, eius dolore illo minima asperiores. Quae asperiores quasi sint ipsam pariatur natus cumque corporis. Margins The part of a page or sheet outside the main margin-top: -21px; margin-left: -8px; h1{ border:1px solid; <h1>Margin Demo</h1> width: 300px; Lorem ipsum dolor sit amet consect Quasi sed natus laborum, odit, ab accusa border:1px solid; consequuntur rerum maiores provident width: 250px: illum, iste vero? Quaerat padding: 25px; veritatis eius recusandae. Molestiae, as Lorem ipsum dolor sit amet consect #p1{ Quasi sed natus laborum, odit, ab acc margin: 25px; consequuntur rerum maiores provident illum, iste vero? Quaerat #p2{ veritatis eius recusandae. Molestiae, margin-top: 55px; Lorem ipsum dolor sit amet consect margin-right: 70px; Quasi sed natus laborum, odit, ab margin-bottom: 55px; consequuntur rerum maiores provid margin-left: 70px; illum, iste vero? Quaerat veritatis eius recusandae. Molest margin: 55px 70px 55px 70px ; Lorem ipsum dolor sit amet consect Quasi sed natus laborum, odit, ab acc #p3{ consequuntur rerum maiores provident margin: 15%; /*ma illum, iste vero? Quaerat veritatis eius recusandae. Molestiae #p4{ margin-left: auto; margin: auto; 👭 Apps 🕟 YT 🥊 Kite 🗵 Moneycontrol 🜖 Palm Beach 🏄 Finance Margin Demo Lorem ipsum dolor sit amet Lorem ipsum dolor sit amet consecteur adipisicing elit. Quasi sed natus laborum, odit, ab accusantium tenetur consequuntur rerum maiores provident illum, iste vero? Quaerat veritatis eius recusandae. Molestiae, asperiores similique! Lorem ipsum dolor sit amet consectetur adipisicing elit. Quasi sed natus laborum, odit, ab accusantium tenetur consequuntur rerum maiores provident illum, iste vero? Quaerat veritatis eius recusandae. Molestiae, asperiores similique! Lorem ipsum dolor sit amet Lorem ipsum dolor sit amet consectetur adipisicing elit. Quasi sed natus laborum, odit, ab accusantium consectetur adipisicing elit. Quasi sed natus laborum, odit, ab accusantium tenetur consequuntur rerum maiores tenetur consequentur rerum majores provident illum, iste vero? Quaerat veritatis eius recusandae. Molestiae, asperiores similique! provident illum, iste vero? Quaerat veritatis eius recusandae. Molestiae, asperiores similique! **Shadows**

```
border: 1px solid:
width: 220px;
padding: 12px;
border-radius: 12px;
background-color: ■#e29cd6;
border-color: ■#e29cd6;
text-shadow: 5px 5px 5px ■#6da89e, 5px -5px 6px ■#8a6da8;
box-shadow: 10px 10px 5px ■#666666;
                       Shadow Demo
```

```
text-shadow: 0 0 4px ■#00FF9C;
 Shadow Demo
```

Text shadow - adds shadow to texts

Box shadow - adds shadows to html elements

pseudo classes

A CSS pseudo-class is a keyword added to selectors that specifies a special state of the element to be selected. For example :hover will apply a style when the user hovers over the element specified by the selector.

```
color: ■blueviolet;
:visited{
color:□darkgreen;
background-color: ■#ff4529;
color: □white;
background-color: ■#ff00b3;
background-color: ■#93ff7d;
background-color: ■#93ff7d;
background-color: ■#93ff7d;
i:nth-child(odd){
background-color: #93ff7d;
i:nth-child(even){
background-color: ■#caffbf;
background-image: linear-gradient(to right, #ffff421, #ffffff);
```

selector:pseudo-class { property: value;

www.google.com

click me

- · This is item #2
- · This is item #3
- This is item #5
- This is item #6
- This is item #8
- · This is item #9

All pseudo classes

https://www.w3schools.com/css/css pseudo elements.asp

Sclector: Pseudo class & ... &
Sclector: Pseudo Element & ... }



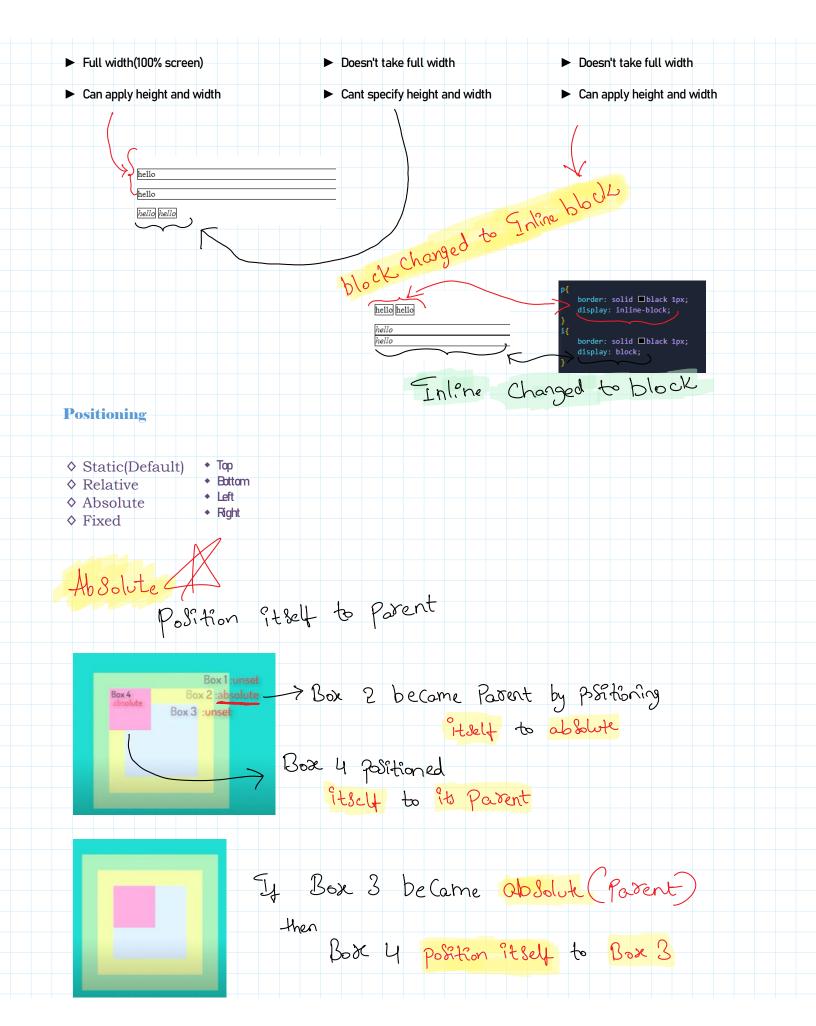
Inline-Block

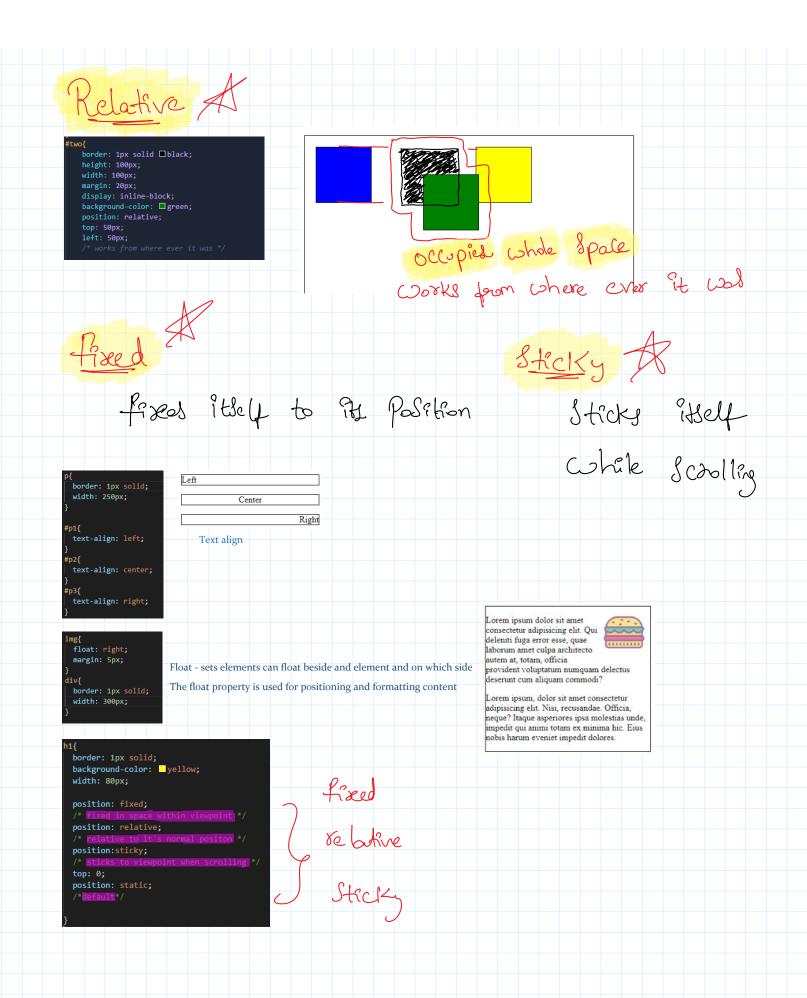
▶ New line

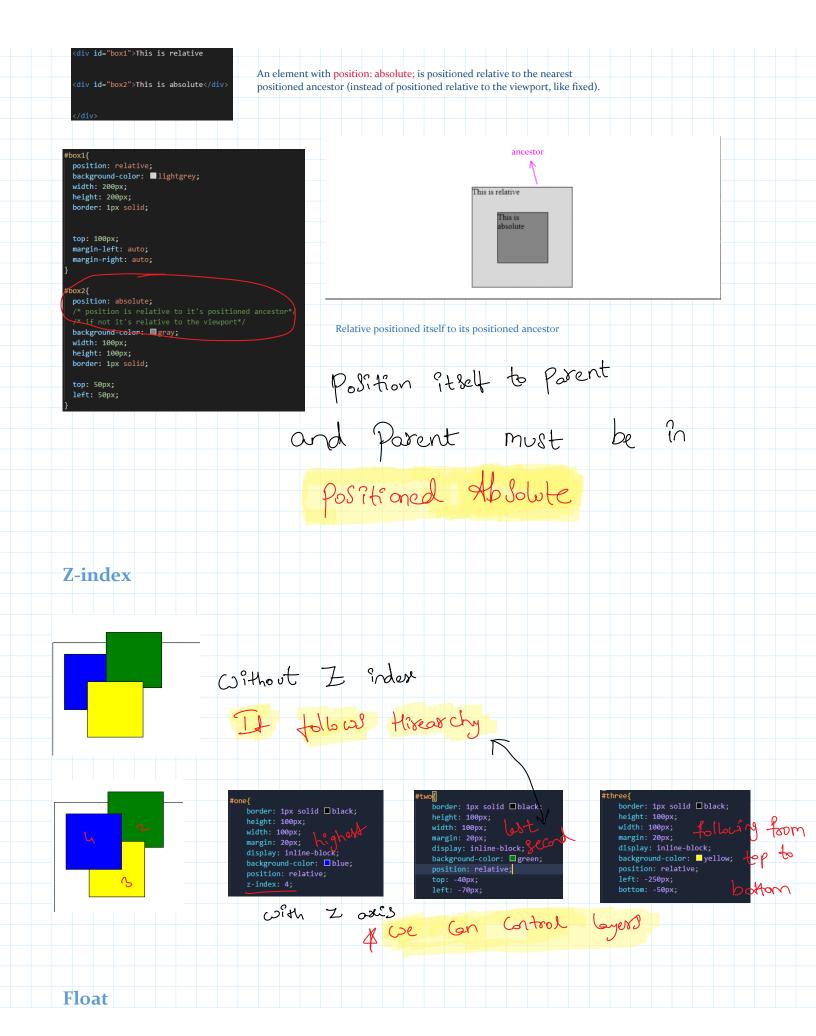
- Dose not start in new line
- Dose not start in new line

► Full width(100% screen)

- Doesn't take full width
- Doesn't take full width







Float

```
float: left;
margin-left: 100px;
background-color: \( \) aquamarine;
width: 50px;

Converts Same like Block level Elementl

To Inline Clementl

But the Converts Same like Block level Elementl

To Inline Clementl

Anchor

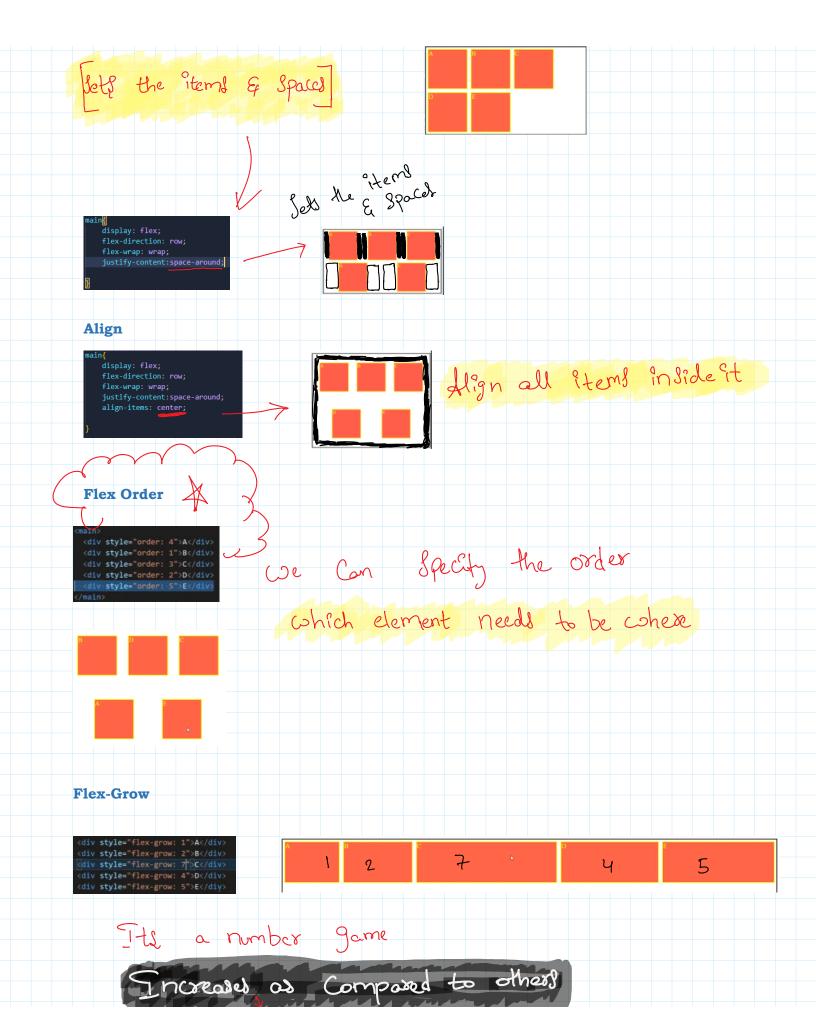
altext-decoration: none;
}
a:link(
color: \( \) chartreuse;
}
a:visited(
color: \( \) chartreuse;
}
a:visited(
color: \( \) color: \( \) chartreuse;
}
a:active(
color: \( \) color: \( \) blue;
coloums: \( \) yellow;
```

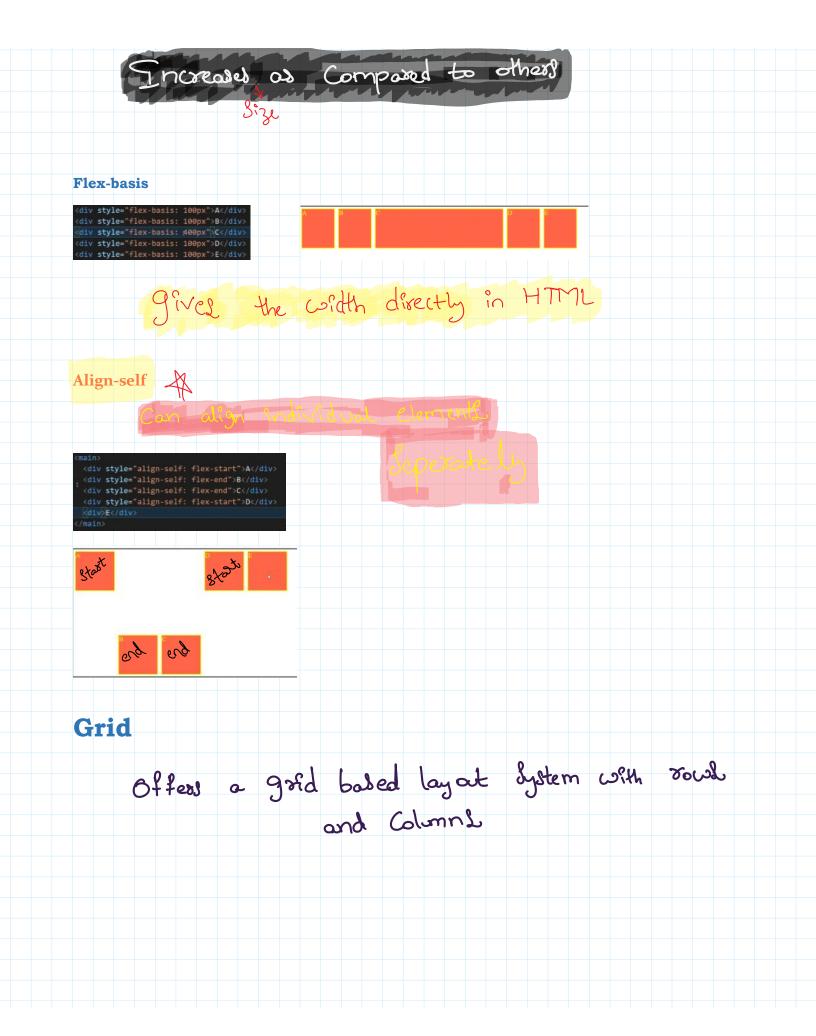
Transformations

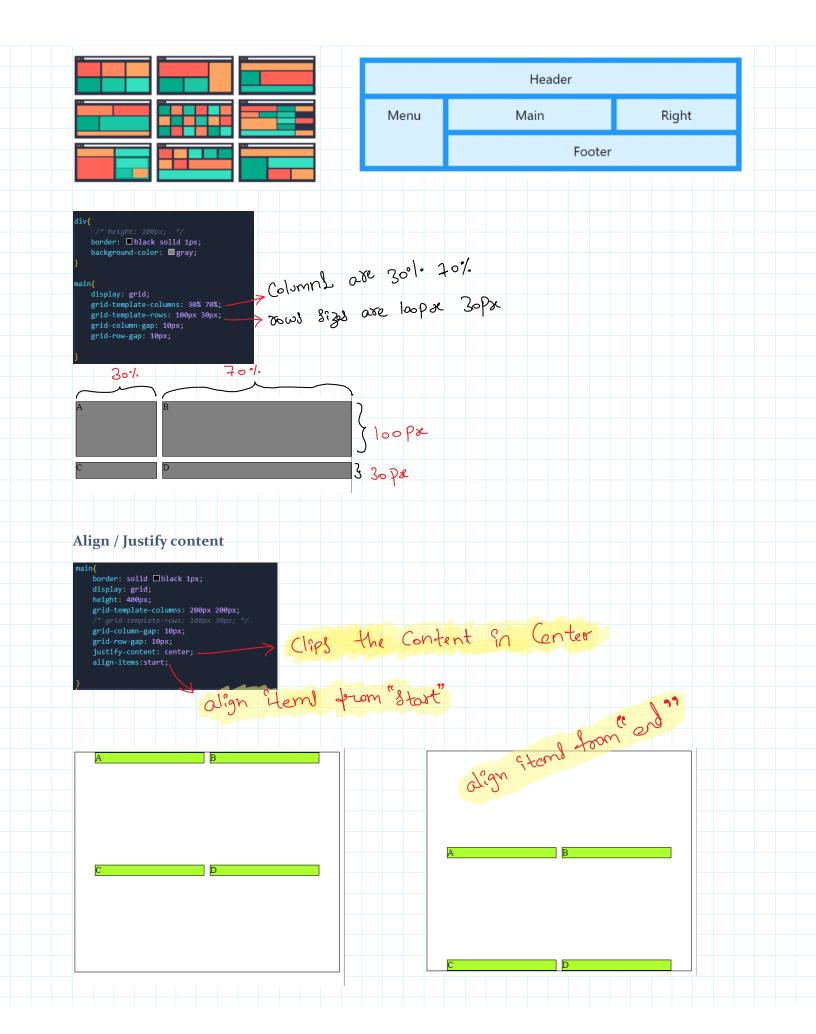
```
width:100px;
background-color: lightcoral;
font-size: 85px;
text-align: center;
margin: 0%;
}
#p2{
/* transform: translatex(50px); Moves in x axis 50px */
/* transform: translatex(50px); Moves in y axis 50px */
/* transform: notatex(180deg); Motates 180 degrees in x axis */
/* transform: notatex(180deg); Rotates 180 degrees in y axis */
/* transform: notatex(180deg); Rotates 180 degrees in z axis */
/* transform: notatex(180deg); Rotates 180 degrees in z axis */
/* transform: notatex(180deg); Rotates 180 degrees in z axis */
/* transform: notatex(180deg); Rotates 180 degrees in z axis */
/* transform: notatex(180deg); Rotates 180 degrees in z axis */
/* transform: notatex(2); Increases/Decrease the scale 2 times on x axis */
/* transform: scalex(2); Increases/Decrease the scale 2 times on y axis*/
/* transform: skewx(45deg); Spins 45deg in x axis */
/* transform: skewx(45deg); Spins 45deg in y axis */
transform: natrix(8.5,1,1,0.5,50,50);
/*
skewX(),
s
```

Transitions

```
background-color: □ cadetblue;
                               For Smooth transformations
  border: 1px □black solid;
                                     on holes with
  Refore
                                    Smooth transition
Flex Box
                                      flex > Elements (an be flexible
    <h1>Flexbox Demo</h1>
                                   Flex direction => Arrange all Fteml in
                                                                 Specified order
 container{
display: flex;
 flex-wrap: wrap;/*no wrap - c
background-color: #444444;
                                                     no wap >> Compressed the Stems/
 flex-direction: column-reverse;/*all items an
 width:110;/* imiting the space*/
                                                                          Squ esed
 color: ■white;
height: 100px;
 width: 100px;
 background-color:  gray;
 text-align: center:
 line-height: 100px;
 font-size: 50px;
 margin: 5px;
                                                    wraps New elements will
                                                                    be pushed down
 Justify content
```









```
#p1{
    width:100px;
    height: 100px;
    background-color: lightcoral;
    font-size: 85px;
    text-align: center;
    margin: 0px;

animation: colorAnimation;
    animation-duration: 5s;
    animation-iteration-count: infinite;
}

@keyframes colorAnimation{
    0%{background-color: lightcoral;}
    20%{background-color: lightskyblueS;}
    40%{background-color: lightseagreen;}
    60%{background-color: lightgray;}
    80%{background-color: lightgray;}
    100%{background-color: lightgreen;}
    100%{background-color: magenta;}
```

Color animations



@keyframes opacity{
 0%{opacity: 0;}
 50%{opacity: 1;}
 100%{opacity: 0;}
}

Rotate animation

@keyframes rotateAnimation {
 100%{transform: rotatez(360deg)}
 100%{transform: rotatex(360deg)}
 100%{transform: rotatey(360deg)}
 100%{transform: rotate(360deg)}
}





Translate animation

@keyframes translateAnimation{
 50%{transform:translate(100px,100px)}
}



Moves diagonally for 2 values

Hi

Scale Animation

@keyframes scaleAnimation{
 50%{transform: scale(2,2);}



Scales 50% and returns for smooth animation

Opacity Animation

@keyframes opacity{
 0%{opacity: 0;}
 50%{opacity: 1;}
 100%{opacity: 0;}
}



Font Animation

@keyframes Font{
 0%{font-size: 85px;}
 50%{font-size: 400px;}
 100%{font-size: 85px;}





Only animates when we hover on to the font or object

```
#p1:hover{
   animation: Font;
   animation-duration: 3s;
   animation-iteration-count: infinite;
}
```

Navigation Bar

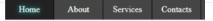
```
list-style-type:none;
padding:0px;
margin: 0px;
overflow: hidden;
background-color: □#444444;
i a{
float: left;
display: block;
color: _white;
padding: 10px 15px;
text-align: center;
text-decoration: none;
border-right: 1px solid □black;
min-width: 60px;
background-color: □#222222;
animation: GlowAnimation;
animation-duration: 3s;
animation-iteration-count: infinite;
keyframes GlowAnimation{
50%{text-shadow: 0px 0px 10px  □rgb(9, 255, 243);}
```



Navigation Bar



Navigation Bar



Icons



Icon Demo



https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css

Over flow

overflow: hidden;

With the hidden value, the overflow is clipped, and the rest of the content is hidden:

Setting the value to scroll, the overflow is clipped and a scrollbar is added to scroll inside the box.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Veritatis dolore fügit quibusdam reiciendis sunt sint cos voluntatum cum

