

Using **HTML**



Using **HTML & CSS**



Cascading Style Sheets

What is CSS? Syntax:

Cascading Style Sheets (CSS) is a simple mechanism for adding style to Web documents such as


Fonts

Layouts

Spacing

Colors

{ color: red }



Property Value

Kinds of CSS

Inline

Inline CSS is used to style a specific HTML element. For this CSS style, you'll only need to add the **style** attribute to each HTML tag

Internal

Internal/Embedded CSS requires us to use style element in head section of HTML document.

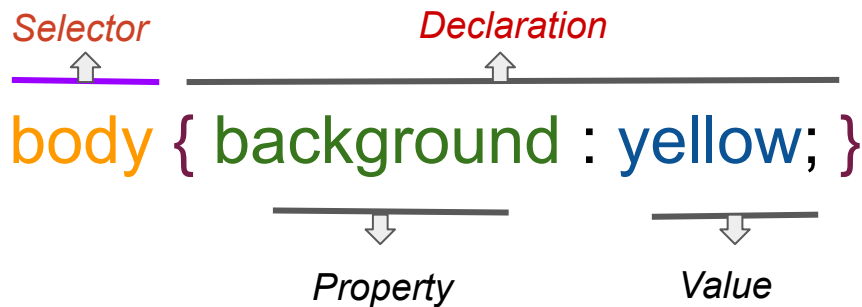
External

With External CSS, you'll link your web pages to an external **.css** file.

Inline CSS	Internal CSS	External CSS
Benefits : <ul style="list-style-type: none"> ● We need not to use any selectors for selecting a specific HTML element. ● We can use styles directly with in the HTML tag by using style attribute 	Benefits : <ul style="list-style-type: none"> ● We can use different selectors in same HTML documents. ● We need not to use multiple files for implementing this kind of CSS 	Benefits : <ul style="list-style-type: none"> ● We can implement the structure of HTML code and CSS code. ● We can reuse the styles for various web documents.
Limitations : <ul style="list-style-type: none"> ● Adding styles to every element is a time consuming process. ● Combining of HTML and CSS makes the code messy 	Limitations : <ul style="list-style-type: none"> ● We have to implement style properties along with with the HTML document it affects the performance of web site. ● We can't reuse the styles which were defined for one file in multiple files. 	Limitations : <ul style="list-style-type: none"> ● By using multiple files, it affects the download time. ● Designed part not fully loaded until the css file loads

Selector in CSS

A CSS selector allows us to select the content we want to style



Types of Selectors in CSS

Basic selectors

- id
- class
- element
- universal

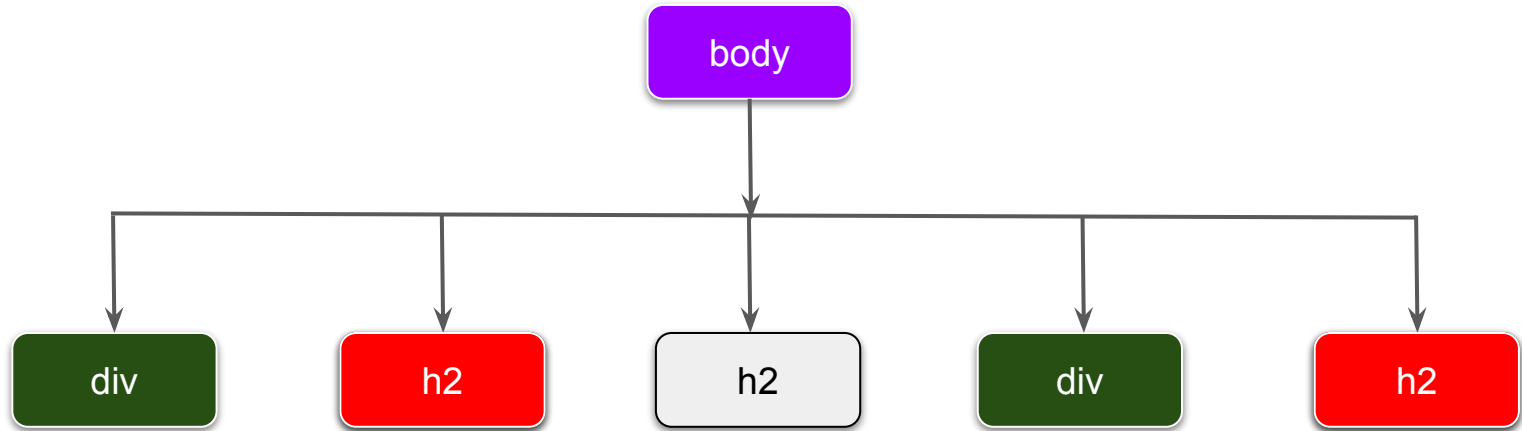
Relational selectors

- descendant combiner
- child combiner
- adjacent sibling
- general sibling

Attribute selectors

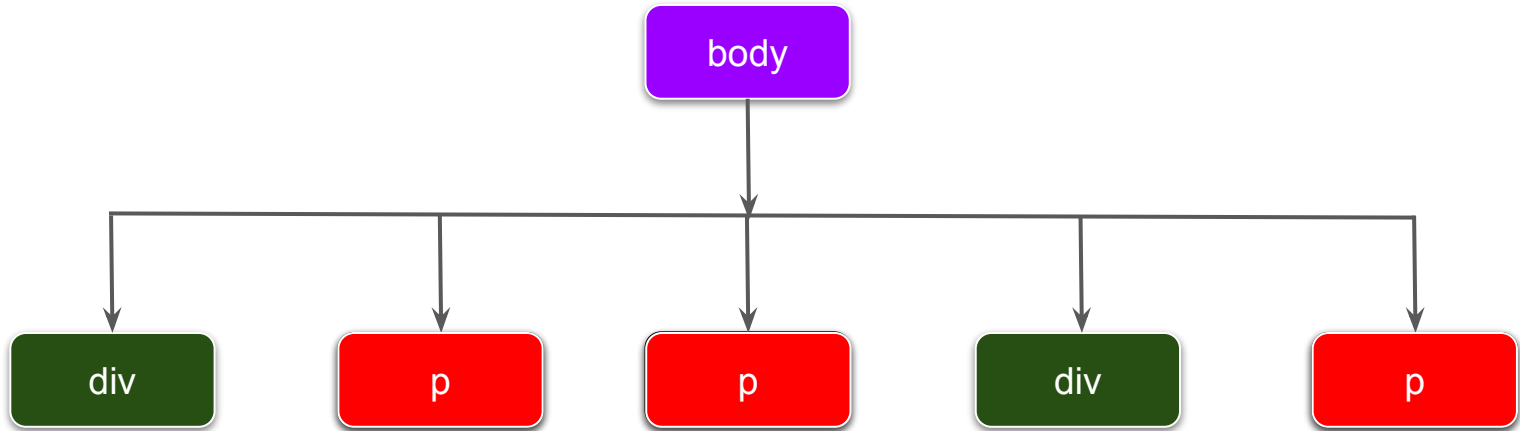
Pseudo selectors

Adjacent sibling selector



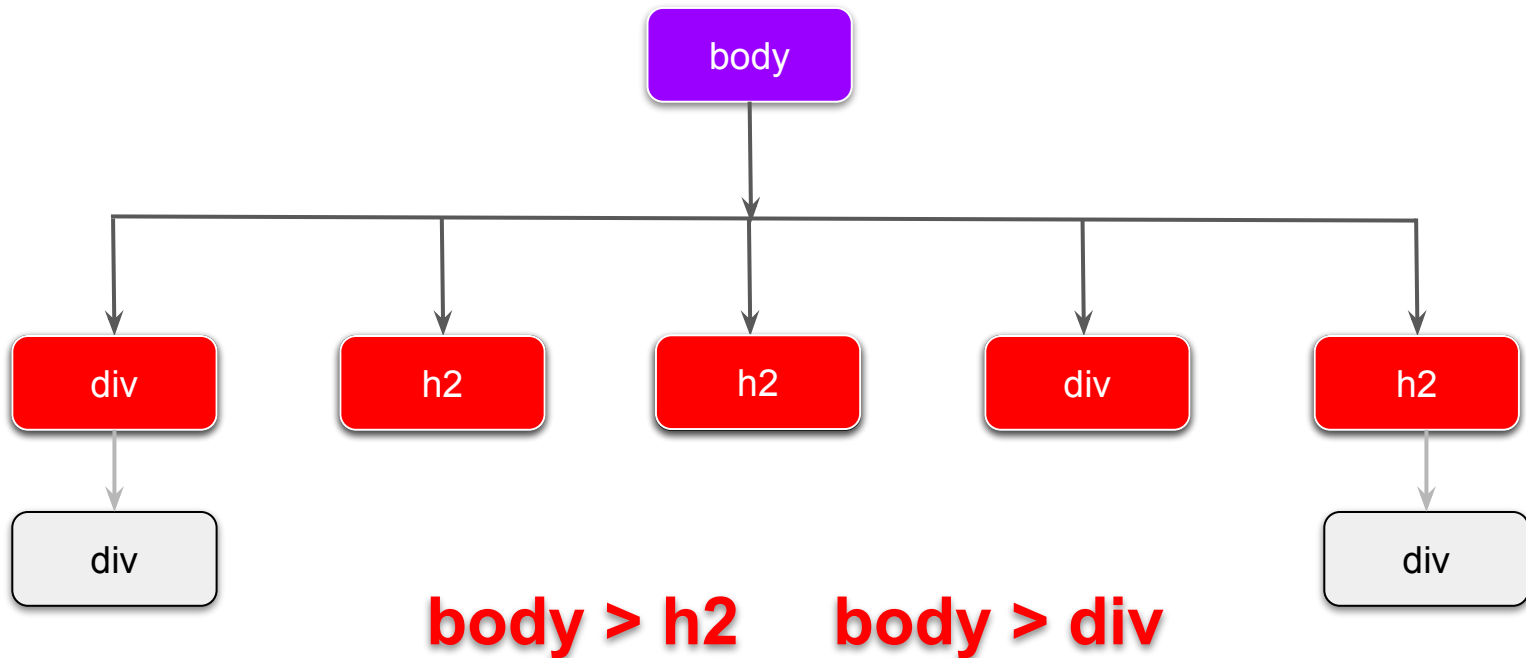
div + h2

General sibling selector

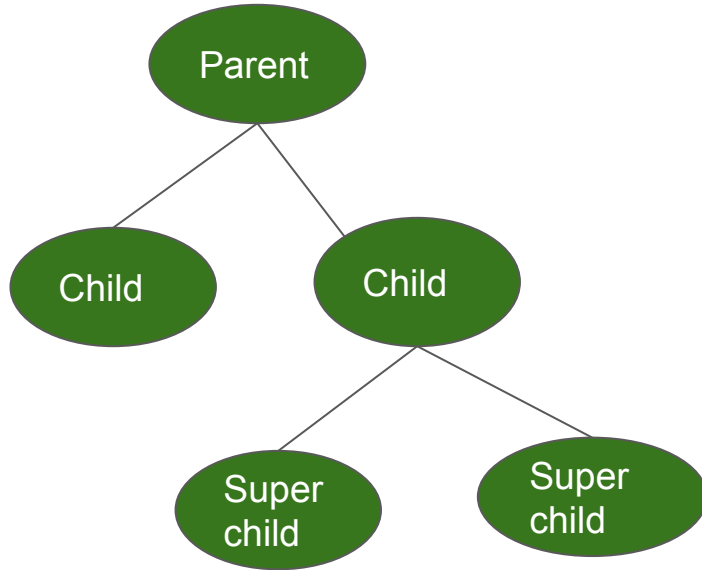


div ~ p

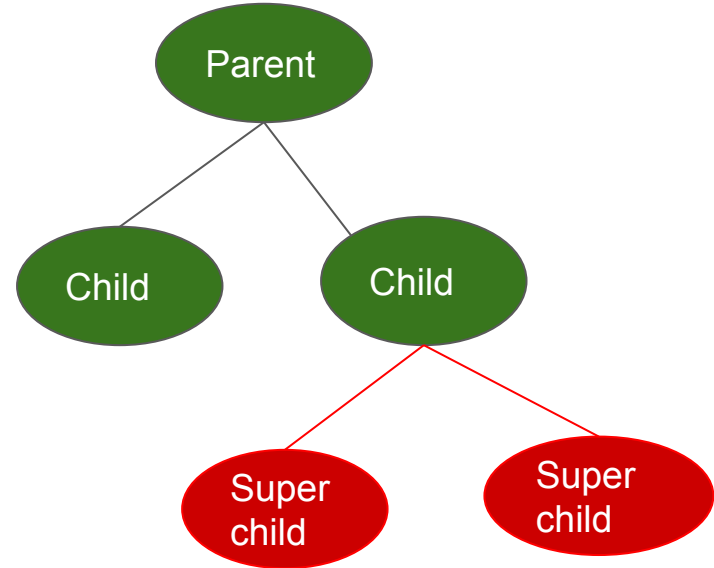
Child combinator in CSS



Descendant combiner vs Child combiner



Descendant combiner



Child combiner

CSS units

Absolute lengths

cm => 1 cm = 96px / 2.54

mm => 1 mm = 1 cm / 10

Q => 1 Q = 1 / 40 of 1 cm

in => 1 in = 96px or 2.54cm

pc => 1 pc = 1 in / 6

pt => 1 pt = 1 in / 72

px => 1 px = 1 / 96 of 1 in

Relative lengths

em => Font size of the parent, in the case of typographical properties like font-size, and font size of the element itself, in the case of other properties like width.

ex => x height of the element's font

rem => Font size of the root element

lh => Line height of the element

vh => 1% of viewport height

vw => 1% of viewport width

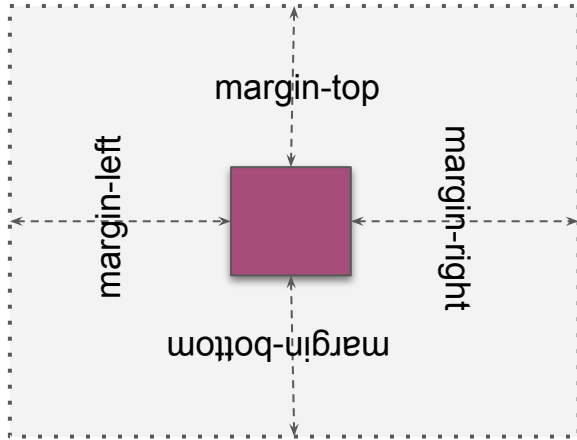
vmin => 1% of viewport smaller dimension

vmax => 1% of viewport larger dimension

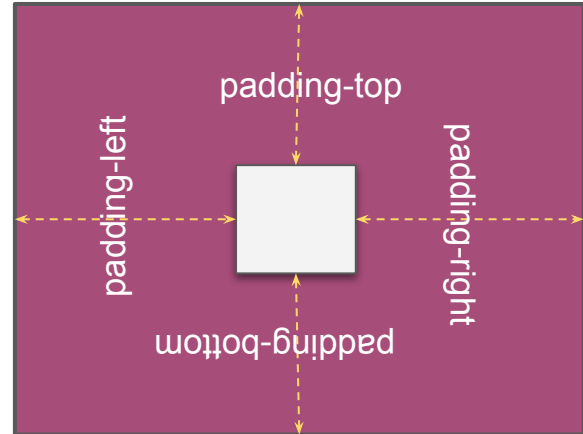
% => Depends on parent's size

Margin vs Padding

Margin properties are used to create space around the element



Padding properties are used to create space around the element's content



Margin vs Padding

margin:

1px

1px

0px

2px;



margin-top



margin-right



margin-bottom



margin-left

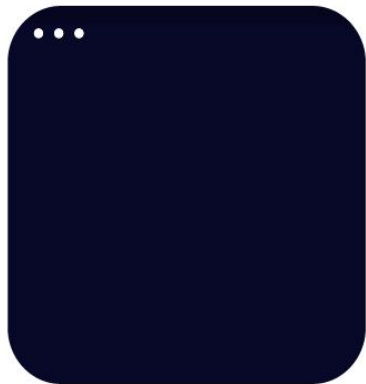
margin: 1px;

margin-top : 1px;
margin-right : 1px;
margin-bottom : 1px;
margin-left : 1px;

margin: 1px auto;

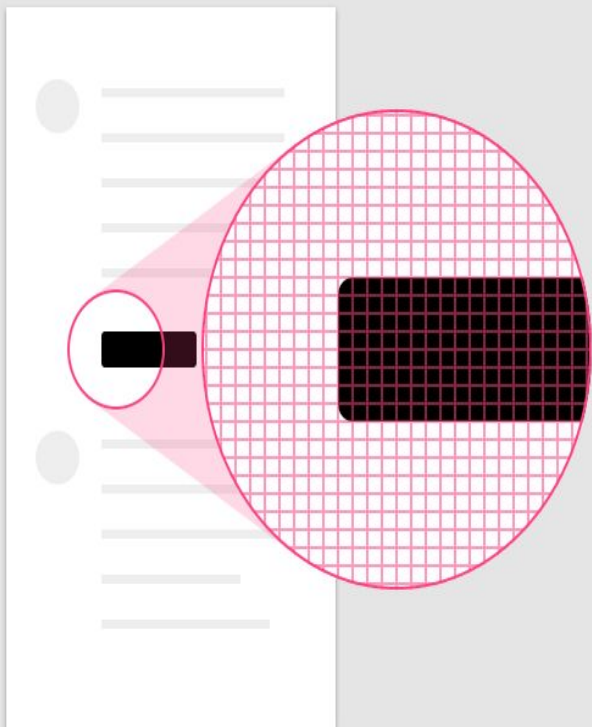
margin-top : 1px;
margin-right : auto;
margin-bottom : 1px;
margin-left : auto;

Positions in CSS



Responsive web design





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

The **viewport** is the user's visible area of a web page. It varies with the device

The **width=device-width** sets the width of the page to follow the screen-width of the device

The **initial-scale=1.0** sets the initial zoom level when the page is first loaded by the browser

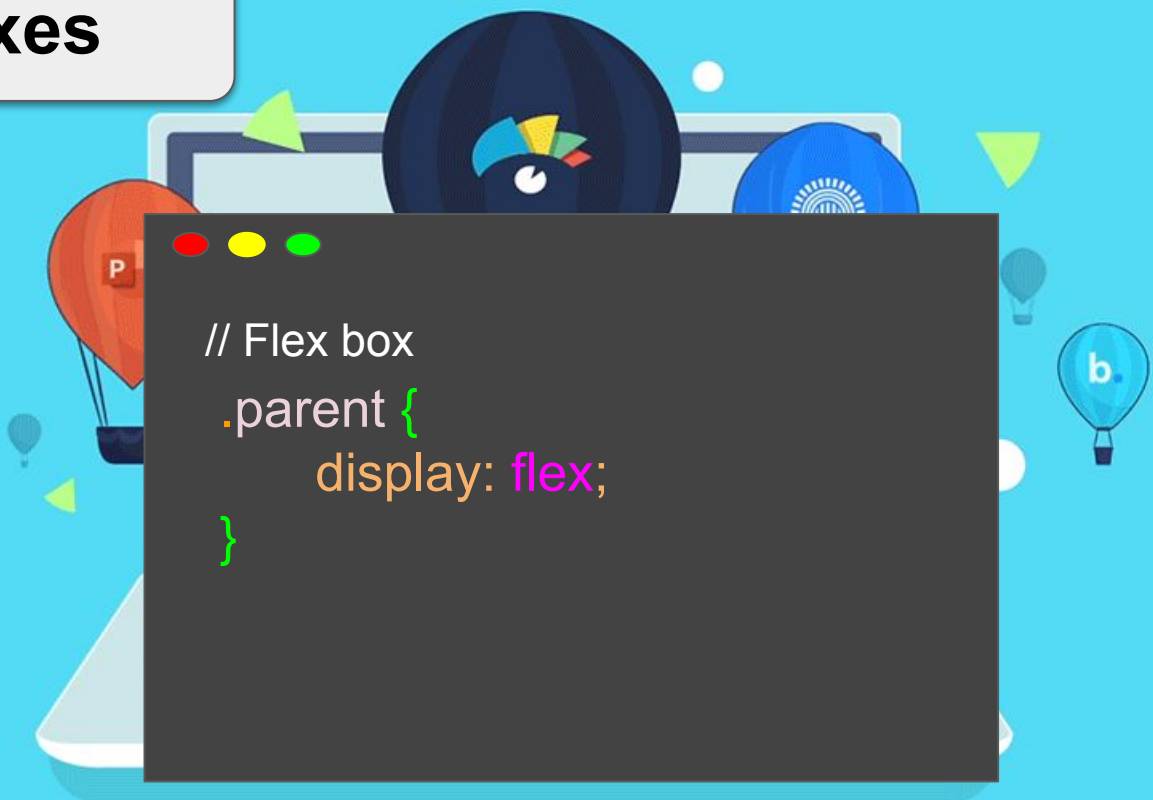
Mobiles => ($\geq 320\text{px}$ to $< 768\text{px}$)

Tablets => ($\geq 768\text{px}$ to $< 1024\text{px}$)

Desktops => ($\geq 1024\text{px}$)

SCREEN RESOLUTIONS

Flexboxes



```
// Flex box
.parent {
  display: flex;
}
```

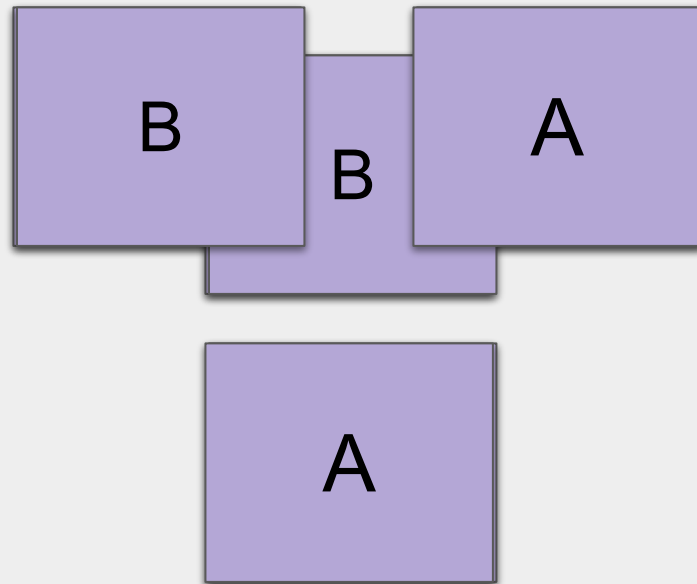


`flex-direction` : row | column | row-reverse |
column-reverse;



// Flex box

```
.parent {  
  display: flex;  
  flex-direction: column reverse;  
}
```



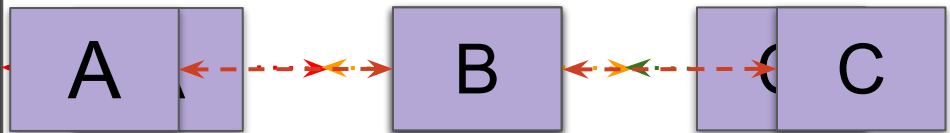
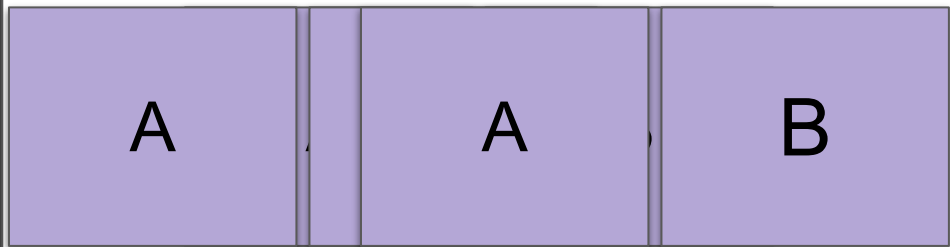


justify content : center | flex-start | flex-end |
space-around | space-between;



// Flex box

```
.parent {  
  display: flex;  
  flex-direction: row;  
  justify-content: space-between;  
}
```



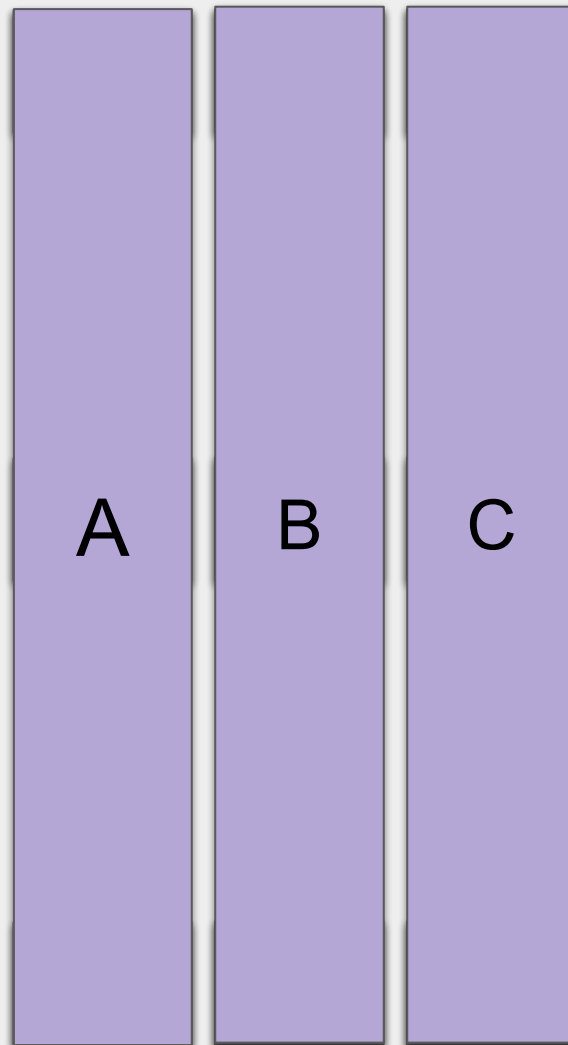


align-items : flex-start | flex-end | center |
stretch ;



// Flex box

```
.parent {  
  display: flex;  
  flex-direction: row;  
  align-items: stretch;  
}
```





flex-wrap : wrap | nowrap | wrap-reverse |

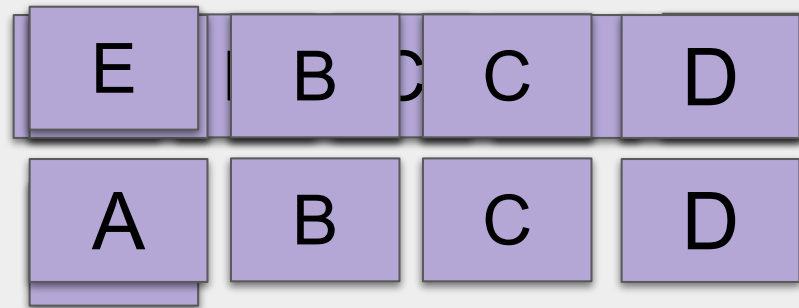


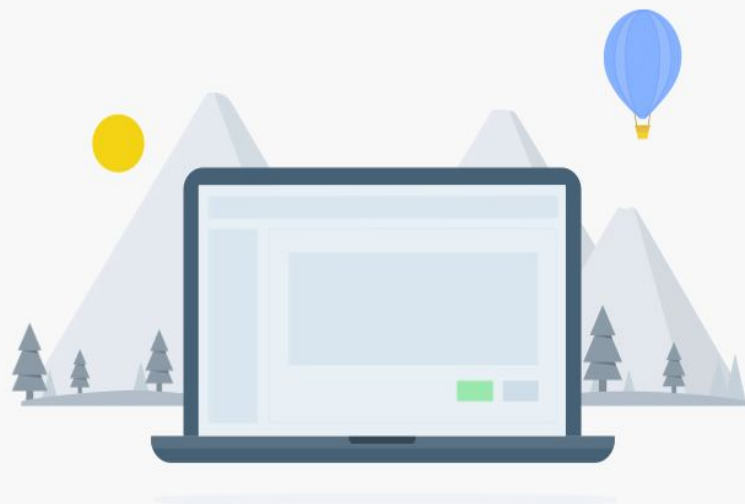
// Flex box

```
.parent {  
  display: flex;  
  flex-direction: row;  
  flex-wrap: wrap; reverse;  
}
```

flex- direction + flex-wrap = flex-flow

flex-flow: row wrap;





Our Services



Food



Music



Film

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam efficitur dictum porta. Proin erer quis nulla at ligula tempor malesuada sed a tellus. Cras tempor consectetur lorem ipsum un..

CSS Positions

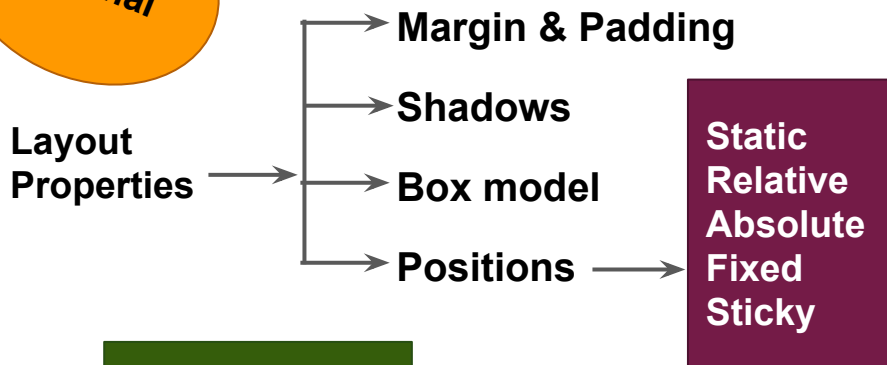
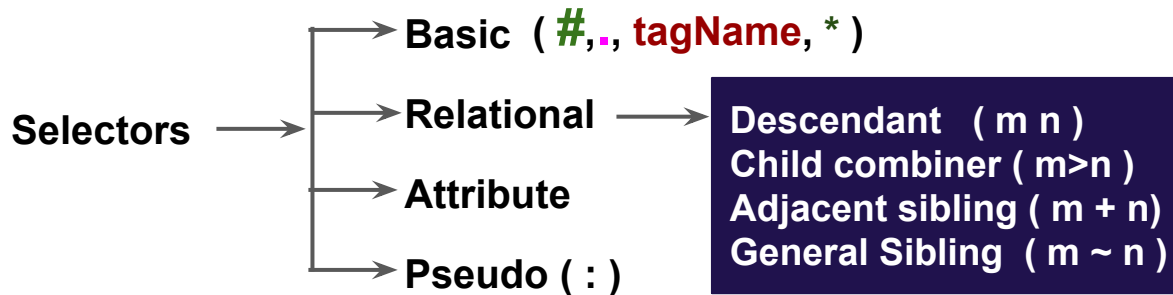
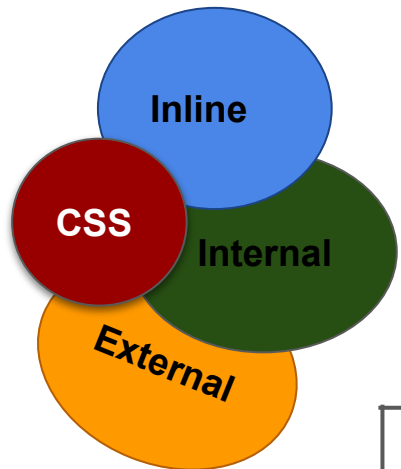
Static

Relative

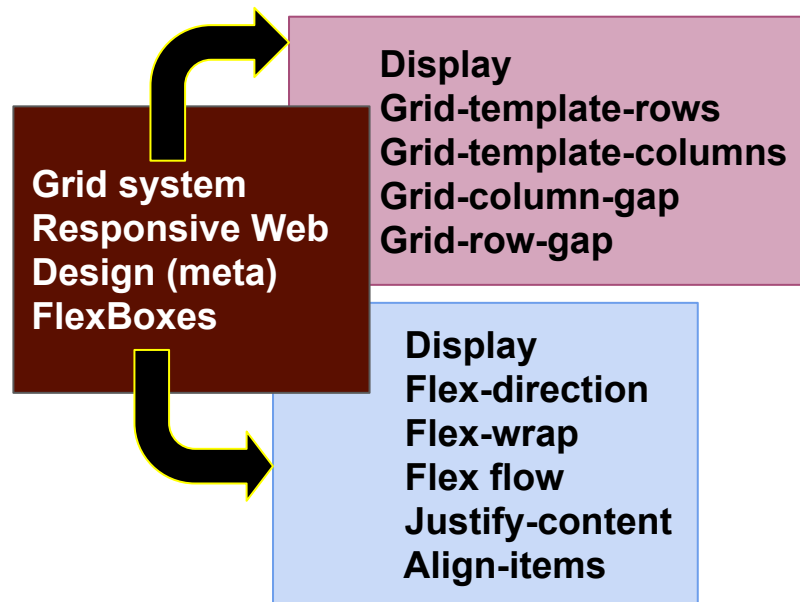
Fixed

Absolute

Sticky



**Backgrounds
Font styles**



GRID LAYOUT

DISPLAY

GRID-TEMPLATE-ROWS

GRID-TEMPLATE-COLUMNS

GRID-COLUMN-GAP

GRID-ROW-GAP

Grid container

item-1	item-2	item-3	item-4
item-5	item-6	item-7	item-8
item-9	item-10	item-11	item-12