



INCITER TECH

CSS

Cascading Style Sheet

Syntax Of CSS:

Property : Values



colour : green

font-family : "Times New Roman", serif

text-align : center

Link CSS In HTML:

There are 3 ways to add CSS in a HTML file

- Inline
- External
- Internal

Inline CSS:

Syntax : <tagName style="property: value">

External CSS:

Syntax : <link rel="stylesheet" href="styles.css">

Internal CSS:

Syntax :

```
<style>
  h2{
    color: yellow;
  }
</style>
```

Selector In CSS:

- CSS selectors are used to "find" (or select) the HTML elements we want to style.
- We can divide CSS selectors into 5 categories:
 - Simple selectors (select elements based on name, id, class)
 - Class Selector (The class selector selects HTML elements with a specific class attribute)
 - Id Selector (The id selector uses the id attribute of an HTML element to select a specific element)
 - Universal Selector (The universal selector (*) selects all HTML elements on the page)

Common Properties Of CSS:

- Colors :-
 1. **Text Color** = color : red;
 2. **Background Color** = background-color : red;
 3. **Border Color** = border-color : red;
- Background :-
 1. **Background Color** = background-color : red;
 2. **Background Image** = background-image : url("image.jpg");
 3. **Background Repeat** = background-repeat : repeat-y;
 4. **Background Position** = background-position : bottom;
- Fonts :-
 1. **Font Style** = font-style : italic;
 2. **Font Size** = font-size : 25px;
 3. **Font Weight** = font-weight : 700;
 4. **Font Family** = font-family : "Lucida Console", Courier, monospace;
- Text :-
 1. **Text Alignment** = text-align : center;
 2. **Text Decoration** = text-decoration : underline overline;
 3. **Text Transform** = text-transform : lowercase;
 4. **Letter Spacing** = letter-spacing : 5px;
 5. **Word Spacing** = word-spacing : 15px;

Units In CSS:

A CSS unit determines the size of a property you're setting for an element or its content. There are 2 types of units :

- Absolute Lengths
- Relative Lengths

Absolute Lengths:

The absolute length units are fixed and a length expressed in any of these will appear as exactly that size.

- cm
- in
- px
- pt
- pc

Relative Lengths:

Relative length units specify a length relative to another length property. Relative length units scale better between different rendering medium.

- em
- inch
- rem
- vw
- vh
- vmin
- vmax
- %

Positions:

The position property specifies the type of positioning method used for an element. There are five different position values:

- static
- relative
- fixed
- absolute

Elements are then positioned using the **top**, **bottom**, **left**, and **right** properties. However, these properties will not work unless the position property is set first. They also work differently depending on the position value.

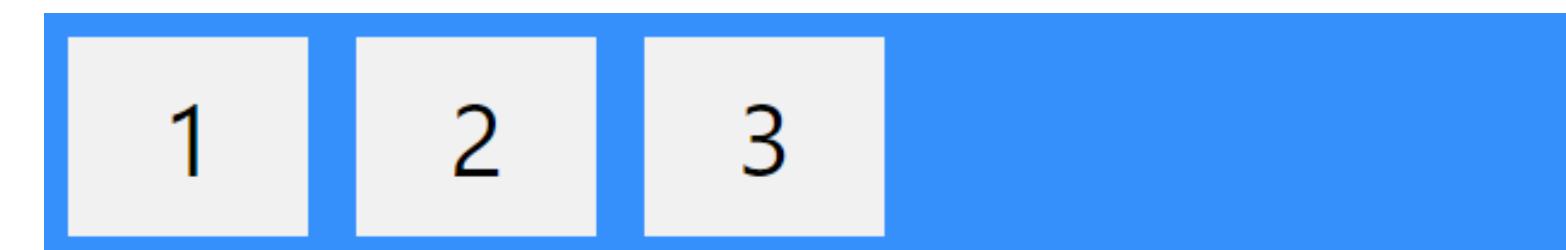
CSS Flexbox Layout Module:

Before the Flexbox Layout module, there were four layout modes:

- Block, for sections in a webpage
- Inline, for text
- Table, for two-dimensional table data
- Positioned, for explicit position of an element

Flexbox Elements:

To start using the Flexbox model, you need to first define a flex container.



The element above represents a flex container (the blue area) with three flex items.

Flex Container Properties:

The flex container properties are:

- flex-direction
- flex-wrap
- flex-flow
- justify-content
- align-items
- align-content

Flex-Direction:

The flex-direction property defines in which direction the container wants to stack the flex items.



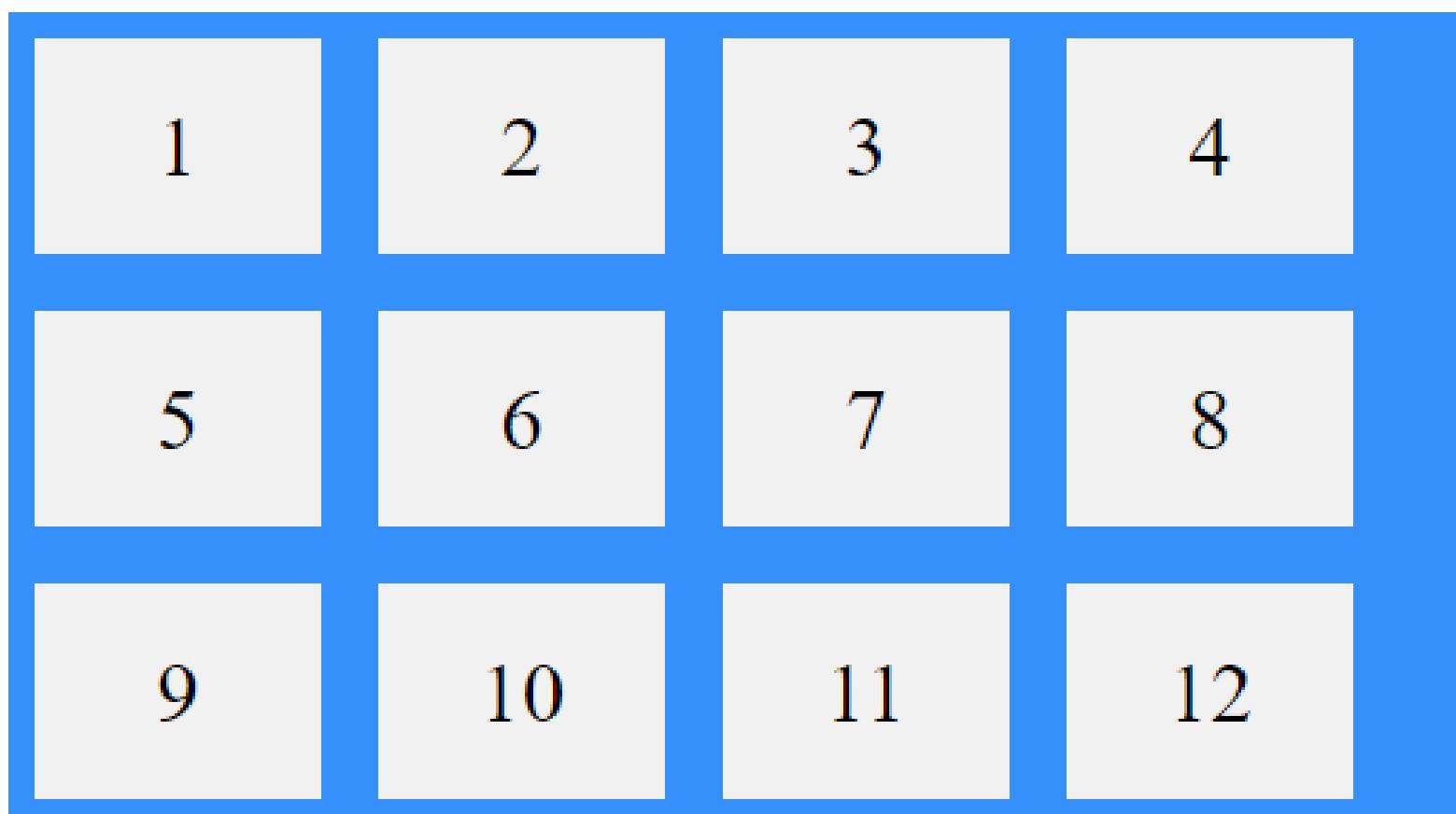
Flex-Wrap:

The flex-wrap property specifies whether the flex items should wrap or not. The examples below have 12 flex items, to better demonstrate the flex-wrap property.

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

Flex-Flow:

The flex-flow property is a shorthand property for setting both the flex-direction and flex-wrap properties.



Justify-Content:

The justify-content property is used to align the flex items:

SYNTAX :

```
.flex-container {  
    display: flex;  
    justify-content: center;  
}
```

OUTPUT:



Align-Items:

The align-items property is used to align the flex items.

SYNTAX :

```
.flex-container {  
    display: flex;  
    height: 200px;  
    align-items: center;  
    background-color: DodgerBlue;  
}
```

OUTPUT:

