CSS FLOAT AND CLEAR:

The float property specifies whether an element should float to the left, right, or not at all.

Syntax

float: none| left| right| initial |inherit;

* none : The element does not float, (will be displayed just where it occurs in the text). This is default
* left: The element floats to the left of its container
* right: The element floats the right of its container
* initial: Sets this property to its default value.
* Inherit: Inherits this property from its parent element.
* Normally div elements will be displayed on top of each other. However, if we use float: left we can let elements float next to each other.

clear and clearfix

When we use the float property, and we want the next element below (not on right or left), we will have to use the clear property.

The clear property specifies what should happen with the element that is next to a floating element.

Syntax: clear: left / right / none / bothl / inherit

* When clearing floats, you should match the clear to the float

Ex: flaot:left; clear:left;

Float:right; clear:right;

clearfix Hack

If a floated element is taller than the containing element, it will "overflow" outside of its container. We can then add a clearfix hack to solve this problem.

* The **overflow: auto** clearfix works well as long as you are able to keep control of your margins and padding (else you might see scrollbars).

Syntax:

. clearfix::after {

content: "";

clear: both;

display: table;

}

Box-sizing property

The CSS box-sizing property allows us to include the padding and border in an element's total width and height.

* Omits the calculation of padding and border.

Syntax: box-sizing: border-box;

CSS FLEX PROPERTY

The flex property is a shorthand property for:

* flex-grow
* flex-shrink
* flex-basis

**Syntax**

flex: flex-grow flex-shrink flex-basis | auto | initial | inherit;

* flex-grow: A number specifying how much the item will grow relative to the rest of the flexible items
* flex-shrink: A number specifying how much the item will shrink relative to the rest of the flexible items
* flex-basis: The length of the item. Legal values: "auto", "inherit", or a number followed by "%", "px", "em" or any other length unit.

flex-direction Property

The flex-direction property specifies the direction of the flexible items.

**Syntax**

flex-direction: row | row-reverse | column | column-reverse | initial | inherit;

* row: Default value. The flexible items are displayed horizontally, as row-reverse: Same as row, but in reverse order
* column: The flexible items are displayed vertically, as a column
* column-reverse: Same as column, but in reverse order
* initial: Sets this property to its default value.
* inherit: Inherits this property from its parent element.

Flex flow property

The flex-flow property is a shorthand property for:

* flex-direction
* flex-wrap

flex-grow property

The flex-grow property specifies how much the item will grow relative to the rest of the flexible items inside the same container.

**Syntax**

flex-grow: number | initial | inherit;

flex-shrink Property

The flex-shrink property specifies how the item will shrink relative to the rest of the flexible items inside the same container.

**Syntax**

flex-shrink: number | initial | inherit;

flex-wrap Property

The flex-wrap property specifies whether the flexible items should wrap or not.

**Syntax**

flex-wrap: nowrap | wrap | wrap-reverse | Initial | inherit;