Float and Clear

Cascading Style Sheets (CSS3)
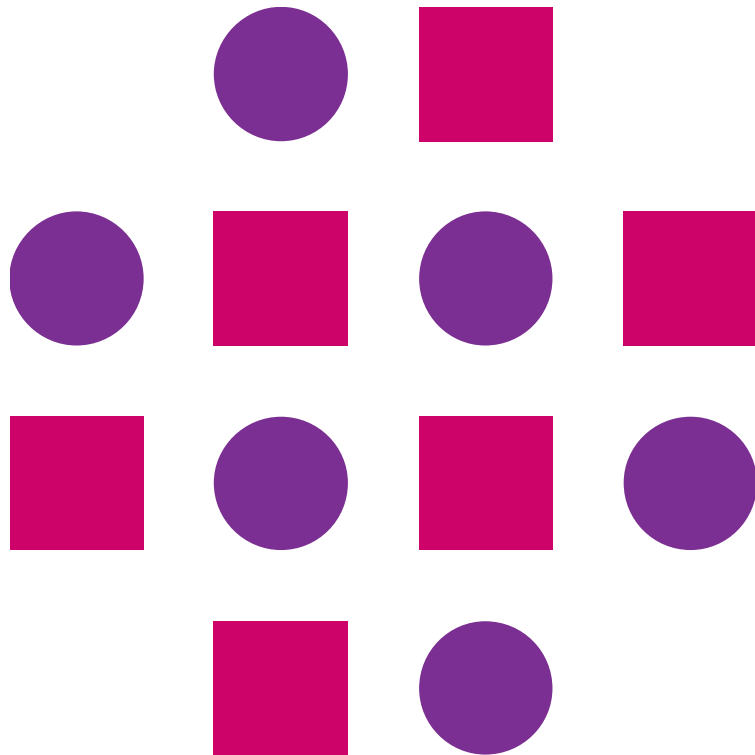
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Float Property

(Cascading Style Sheets 3)

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Float – The purpose

- The purpose of the CSS float property is, generally speaking, to push a block-level element to the left or right, taking it out of the flow in relation to other block elements

- This allows naturally-flowing content to wrap around the floated element

Float – The purpose

- In print media (magazines, newspapers) the text and pictures are placed in columns and text wraps around pictures

- That is the basic idea behind the float property in CSS layouts, and demonstrates one of the ways it has been used in table-less design

Float – The purpose

- One of the most common uses for the float property is to float an image with text wrapping it

- The only property required to make this effect work is the float property

Float

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

Value	Description
none	Element does not float (it will be displayed 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

Float

- A left-floated box will shift to the left until its leftmost margin edge (or border edge if margins are absent) touches either the edge of the containing block, or the edge of another floated box

- If the size of the floated box exceeds the available horizontal space, the floated box will be shifted down

- Non-positioned, non-floated, block-level elements act as if the floated element is not there, since the floated element is out of flow in relation to other block elements
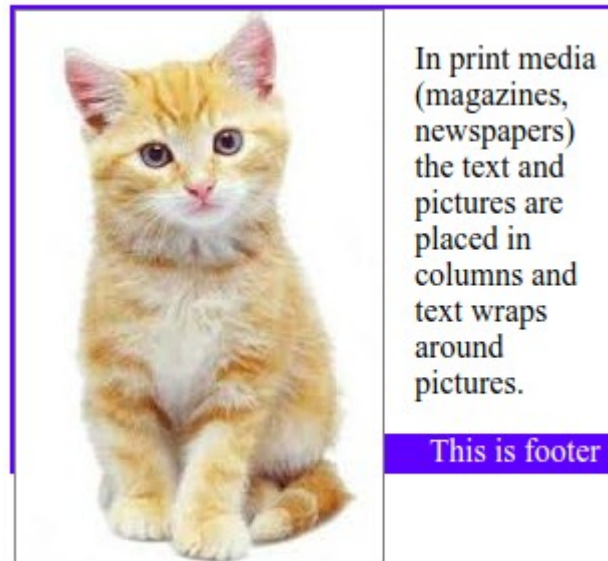
Float

- Margins of floated boxes do not collapse with margins of adjacent boxes

- The root element (<html>) cannot be floated

- An inline element that is floated is converted to a block-level element

- Absolutely positioned elements ignores the float property!

Clear Property

(Cascading Style Sheets 3)

Collapsing Parent

- The parent does not fully expand to hold the floated image

- Reason - The floated element are out of the flow in relation to other block elements, so all block elements will render as if the floated element is not even there

In print media (magazines, newspapers) the text and pictures are placed in columns and text wraps around pictures.

This is footer

Solution 1 - Clearing Floats

- Layout issues with floats are commonly fixed using the CSS clear property, which lets you "clear" floated elements from the left or right side, or both sides, of an element

Clear

- The role of clear property here is to clear the element around floating element

- The cleared element will be placed in next line

Clear

Syntax :
clear: none | left | right | both | initial | inherit;

Value	Description
none	Default. Allows floating elements on both sides
left	No floating elements allowed on the left side
right	No floating elements allowed on the right side
both	No floating elements allowed on either the left or the right side
initial	Sets this property to its default value
inherit	Inherits this property from its parent element

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Thank you

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