

The background of the slide is a light beige color. In the top left corner, there is a corkboard with a few papers pinned to it. In the center, there is a large, stylized illustration of a laptop. The laptop screen displays a website with a blue header, a red bar, and a chart with several colorful triangles (red, yellow, green, blue, purple). To the left of the laptop, there is a red control panel with two gauges and a red button. Above the laptop, there are several colorful circles (blue, red, orange, green, grey) containing text: 'www', 'HTML5', 'js', 'XML', 'PHP', and 'Cloud'. Dotted lines connect some of these circles. The overall theme is web technologies and engineering.

ECAP472

WEB TECHNOLOGIES

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Learning Outcomes



After this lecture, you will be able to

- understand CSS Layout - float and clear property.

CSS Layout – float and clear

- The CSS float property specifies how an element should float.
- The CSS clear property specifies what elements can float beside the cleared element and on which side.

Float Left

Float Right

The float Property

- The float property is used for positioning and formatting content e.g. let an image float left to the text in a container.
- The float property can have one of the following values:
 - left - The element floats to the left of its container
 - right - The element floats to the right of its container
 - none - The element does not float (will be displayed just where it occurs in the text). This is default
 - inherit - The element inherits the float value of its parent

The float Property

In its simplest use, the float property can be used to wrap text around images.

Example - float: right;

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Example

```
img  
{  
    float: right;  
}
```

Example - float: left;



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Example

```
img {  
    float: left;  
}
```


Example - No float

- In the following example the image will be displayed just where it occurs in the text (float: none;):



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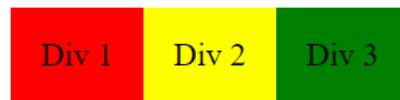
nulla et dictum interdum, nisi lorem egestas odio, vitae scelerisque enim ligula venenatis dolor. Maecenas nisl est, ultrices nec congue eget, auctor vitae massa. Fusce luctus vestibulum augue ut aliquet. Mauris ante ligula, facilisis sed ornare eu, lobortis in odio. Praesent convallis urna a lacus interdum ut hendrerit risus congue. Nunc sagittis dictum nisi, sed ullamcorper ipsum dignissim ac...

Example - Float Next To Each Other

- 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.

Float Next To Each Other

In this example, the three divs will float next to each other.



The clear Property

- 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

The clear property can have one of the following values:

- none - The element is not pushed below left or right floated elements. This is default
- left - The element is pushed below left floated elements
- right - The element is pushed below right floated elements
- both - The element is pushed below both left and right floated elements
- inherit - The element inherits the clear value from its parent

The clear property

- When clearing floats, you should match the clear to the float: If an element is floated to the left, then you should clear to the left. Your floated element will continue to float, but the cleared element will appear below it on the web page.

Example

- This example clears the float to the left. Here, it means that the <div2> element is pushed below the left floated <div1> element:

div1

{

float: left;

}

div2

{

clear: left;

}

The 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:

Without Clearfix

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet, nulla et dictum interdum...



With Clearfix

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet, nulla et dictum interdum...



Practical

That's all for now...