

Web Developer

HTML, CSS e Strumenti di Digital Marketing
(SEO, SEM, SEA)

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Float

Legacy layout

Shadi Lahham - Web development

Property: Float

- Floats were historically used to make images float inside text blocks
- They were also used to create layouts with multiple columns because at the time there weren't good ways to create a complex layout
- Modern CSS tools like grids and flexboxes are now used for creating layouts
- Floats are now mainly used for simple tasks like placing text next to images or wrapping text around an image and are not as popular for creating multi-column layouts in modern web development

Floating elements

Property: Float

- Floating an element moves it as far to the left or right of its containing element as possible
- Other elements, e.g. paragraphs or lists, will wrap around the floated element
- Floated elements without a width will take up the whole width of the container and not appear floated
- It's possible to specify
 - Whether an element is floated or not
 - Which side it floats on

Float - example

```
.float {  
  float: left;  
  width: 200px;  
  background: #bada55;  
  margin: 8px;  
  padding: 5px;  
}
```

I am a floater

mauris nec.

Lorem ipsum dolor sit amet consectetur
accumsan Sed vitae mauris risus. Magna
eget a Phasellus a nibh nisl risus netus

```
<div class="float">I am a floater</div>  
<p>Lorem ipsum dolor sit amet consectetur accumsan Sed vitae mauris risus...</p>
```

Note: floated elements will fill the space from left to right and go to a new line based on remaining space

Float - multiple float example

```
.float {  
  float: left;  
  width: 200px;  
  background: #bada55;  
}
```

```
.float-right {  
  float: right;  
  width: 150px;  
  background: darkorange;  
}
```

```
<div class="float">I am a floater</div>  
<div class="float">I am a floater</div>  
<div class="float">I am a floater</div>  
<div class="float-right">I am a floater</div>  
<div>Lorem ipsum dolor sit amet consectetur accumsan Sed vitae mauris risus...</div>
```

I am a floater

I am a floater

Lorem
ipsum

I am a floater

dolor sit amet
consectetur
accumsan Sed

I am a floater

vitae mauris risus. Magna eget a Phasellus a nibh nisl risusnetus mauris nec.

Float - Placing elements side by side

```
.float-child-left {  
  float: left;  
  width: 200px;  
  background: #4fc3f7;  
}
```

```
.float-child-right {  
  float: right;  
  width: 150px;  
  background: #ffa726;  
}
```



To place two block level elements to be side by side float both elements; One left and one right

Clear

- Clearing tells the element on which side (right, left, both) other elements cannot appear
- If an image is floated left, to avoid that a paragraph is wrapped next to it, `clear:left;` should be added to the style of the paragraph
- Clearing both ensures the element doesn't wrap next to floats on either side

Examples:

```
clear: right;
```

```
clear: left;
```

```
clear: both;
```

Clear - example

```
.float {  
  float: left;  
  width: 200px;  
  background: #bada55;  
  margin: 8px;  
  padding: 5px;  
}
```

```
.clear-both {  
  clear: both;  
}
```

```
<div class="float">I am a floater</div>  
<div class="clear-both">cleared: Lorem ipsum dolor sit amet consectetur </div>
```

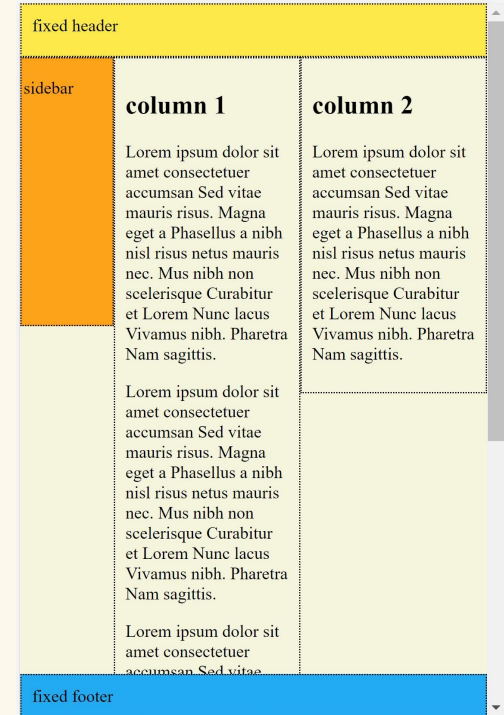
I am a floater

cleared: Lorem ipsum dolor sit amet consectetur

Your turn

1.Columns columns

- Create a page with
 - Header, footer, sidebar, and two main columns
 - Use position, float and margins to create the layout
- Header and footer
 - Should stay in place when the page scrolls
- The sidebar and two columns
 - Should fill the rest of the page, vertically and horizontally
 - Should expand proportionally when window is resized
- One of the columns should contain
 - An image and a caption placed on top of the image
- Use semantic HTML5 elements
- Fill the page with meaningful content



2.United nations

- Make a scrollable `` list of at least 50 countries
 - Each list item should contain: the flag, the name and the population number
 - The name should be left aligned and the population should be right aligned
 - Use position, float and margins to create the layout
 - Countries with large populations should be highlighted in some way
 - The flags area should have a background color
 - If the flag is not rectangular (e.g. Switzerland) the flag should be centered in the flag area
 - Include at least one country with an irregularly sized flag (e.g Switzerland)
- Include a header above the list
 - It should contain the following titles: 'Flag', 'Country', 'Population'
 - It should be spaced and aligned properly
 - It should remain in place when the list is scrolled
 - Not to be confused with the `<header>` tag

References

[CSS Layout - float and clear](#)

[CSS Layout - clear and clearfix](#)

[CSS Layout - Float Examples](#)

[float - CSS: Cascading Style Sheets | MDN](#)

[Floats - Learn web development | MDN](#)