

LAYOUTS

Lesson 4

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LEARNING OBJECTIVES

- Draw the DOM Tree for web pages containing `<header>`, `<nav>`, `<footer>` & `<div>`
- Apply header, footer, single column & multi-column layouts to develop a web page.
- Experiment and predict effects of floats and clearing CSS positioning.

AGENDA

- Code Along Single Column Layout - Divs, IDs and Classes.
- HTML5 Structural Elements.
- Float and Clears.
- Lab Time: Layout Challenge.

STRUCTURAL ELEMENTS

STRUCTURAL ELEMENTS: HEADER TAG

<header> </header>

Used to contain a group of introductory or navigational aids.

It may contain some heading elements as well as other elements like a logo and search form.

STRUCTURAL ELEMENTS: NAV TAG

`<nav> </nav>`

Used for a section on the page with navigation links.

It's common to have and use more than one of these on the page.

STRUCTURAL ELEMENTS: FOOTER TAG

<footer> </footer>

A footer typically contains information about the author of the section, copyright data or links to related documents.

Can also include another navigation and or logo.

STRUCTURAL ELEMENTS: DIV TAG

`<div> </div>`

A generic container which does not inherently represent anything.

It can be used to group elements for styling purposes, using the class or id attributes.

It should be used only when no other semantic element is appropriate, such as `<header>` or `<nav>`.

STRUCTURAL ELEMENTS: SECTION TAG

<section> </section>

The <section> tag defines sections in a document, such as chapters, headers, footers, or any other sections of the document.

STRUCTURAL ELEMENTS: ASIDE TAG

<aside> </aside>

The <aside> tag defines some content aside from the content it is placed in.

The aside content should be related to the surrounding content.

STRUCTURAL ELEMENTS IN PLACE

`<html>`

`<head>`

`<body>`

`<header>`

`<nav>`

`<div>`

`<div>`

...

`<footer>`

`<nav>`

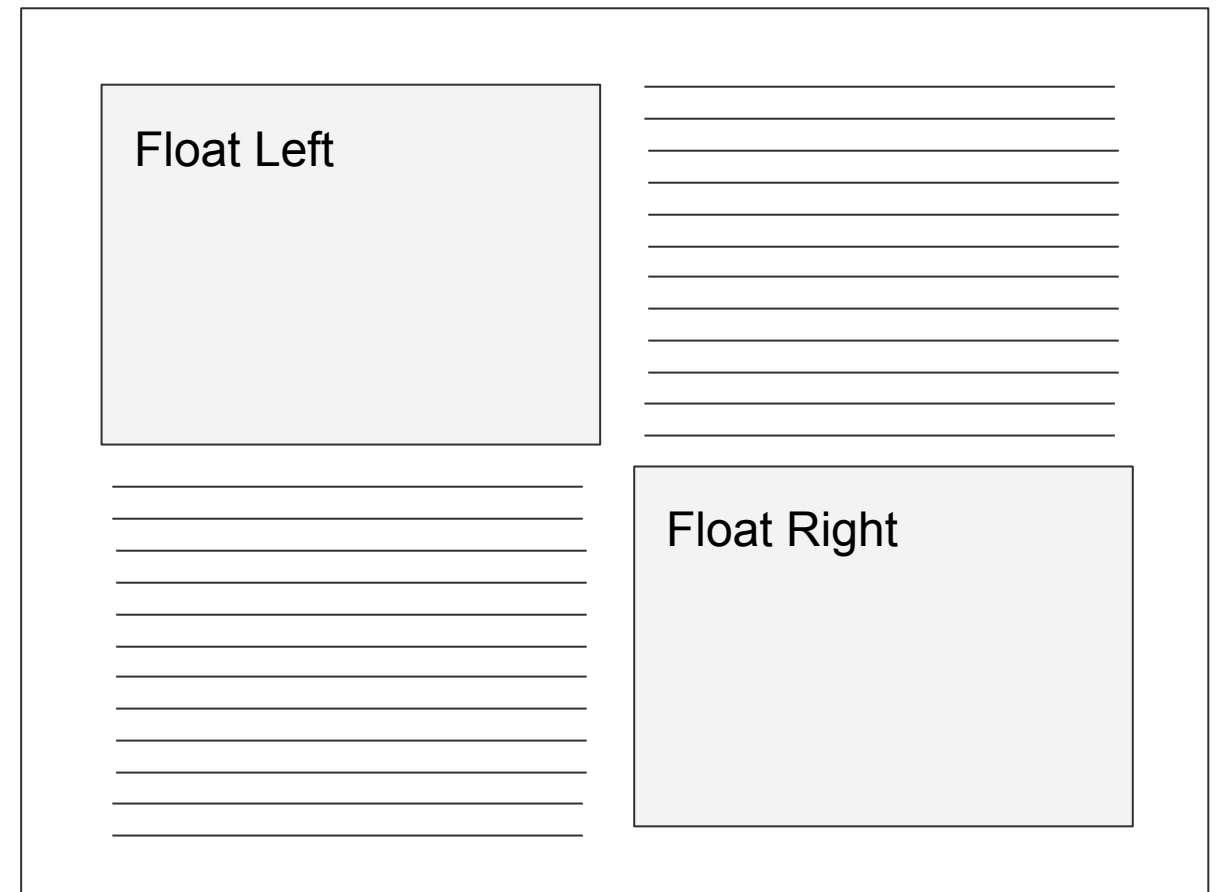
FLOATING SECTIONS

<https://codepen.io>

FLOATING SECTIONS

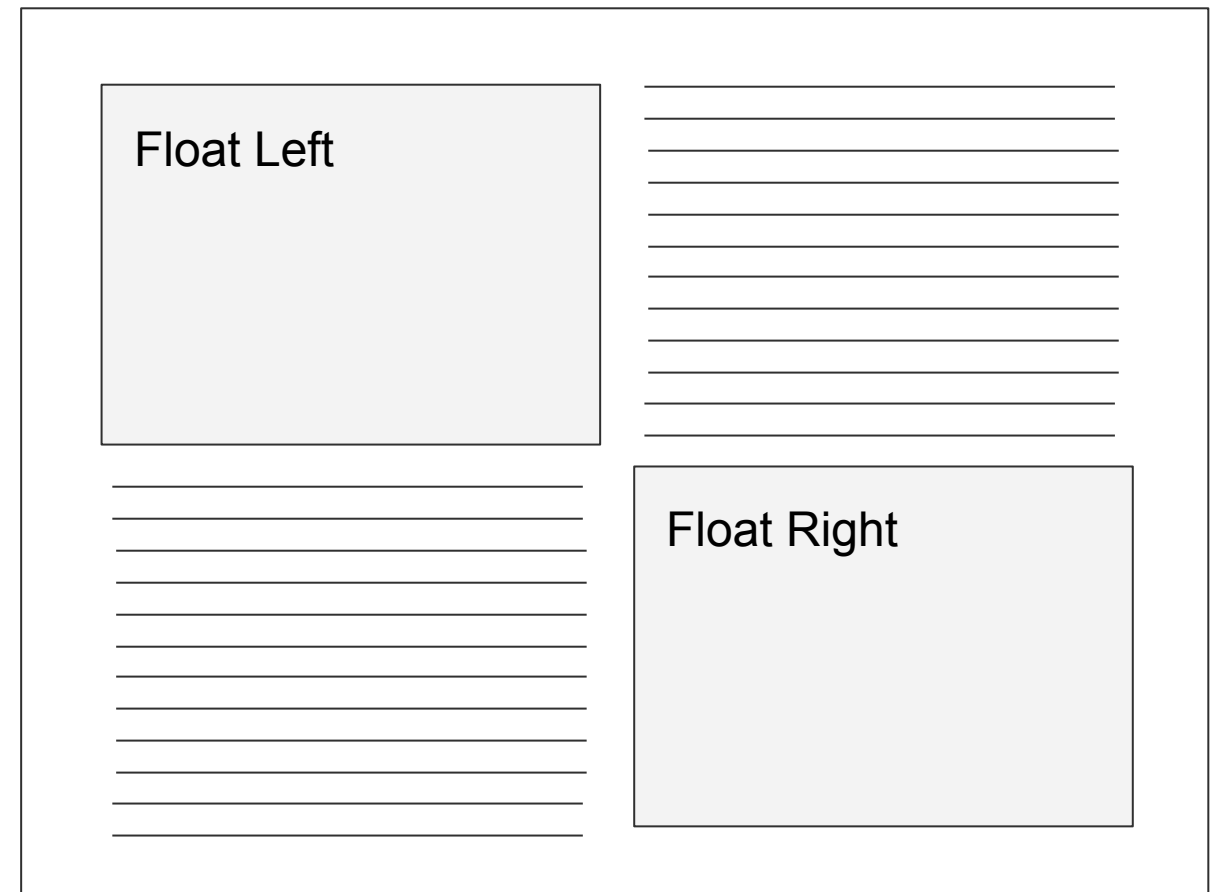
We know that every single element on a web page is a block and are in a content flow.

Well what if we wanted to be able to move our blocks exactly where you want them to go?



FLOATING SECTIONS

Elements with the CSS float property applied to them still remain in the flow of the content but can be pushed left and right with the text flowing around them.



FLOAT CSS PROPERTY

There are 4 possible float values

```
.col {
```

```
    float: left;
```

```
    float: right;
```

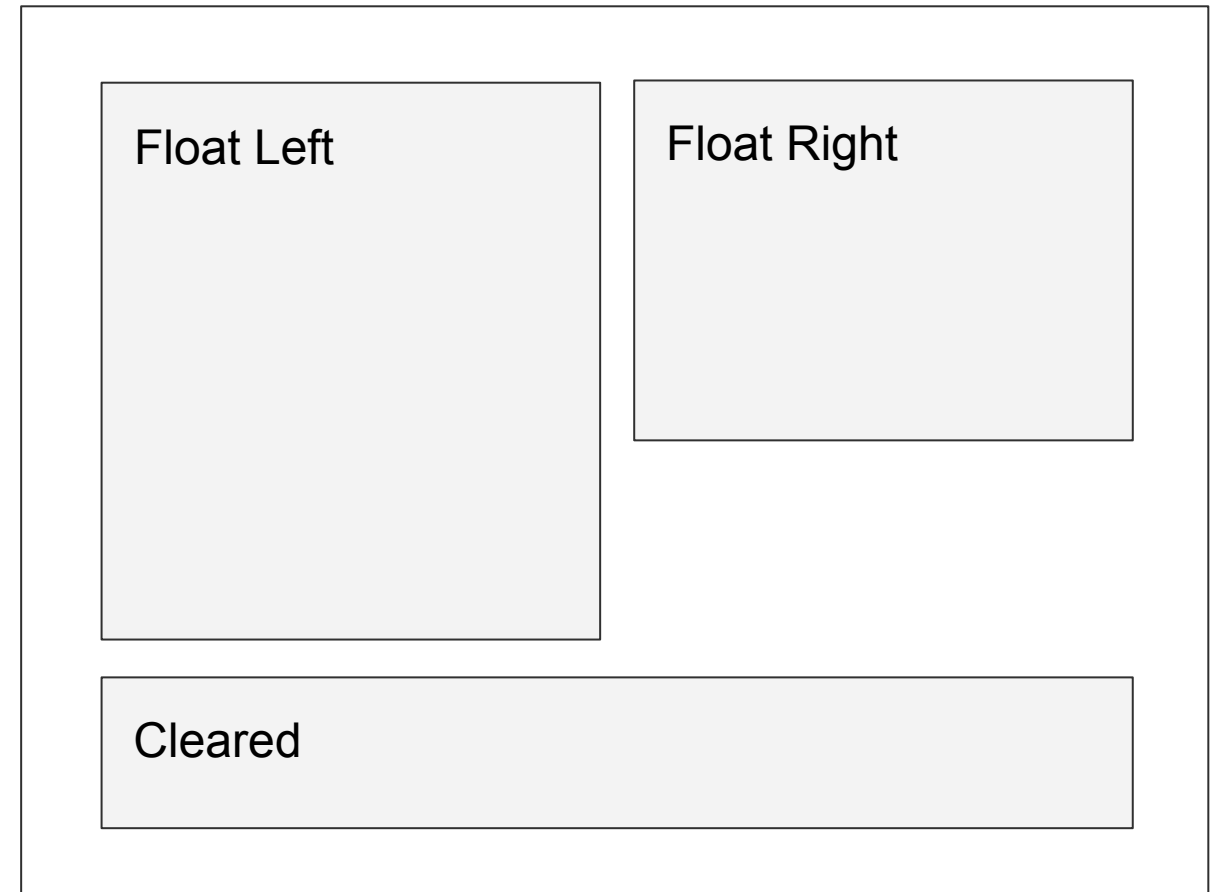
```
    float: none;
```

```
    float: inherit;
```

```
}
```

FLOATING SECTIONS

Elements with the CSS clear property applied to them do not sit beside float elements, it will clear the float and sit below it.



CLEAR CSS PROPERTY

There are 4 possible clear values

```
.col {
```

```
  clear: left;
```

```
  clear: right;
```

```
  clear: none;
```

```
}
```

FLOATING SECTIONS EXAMPLE

Header

Float Left

Float Right

Footer

LAB TIME: LAYOUT CHALLENGE

jayonlydigital.github.io

Q&A



GENERAL ASSEMBLY

FEEDBACK

Lesson 4 - LAYOUTS

<http://ga.co/fewd23syd>