

Lesson:

Float and Clear



Topics Covered

- What is float Layout?
- Clear property

What is a Float Layout?

This layout technique involves floating elements to the left or right of a container element, which allows other elements to flow around it.

Floats are commonly used for creating layouts, where elements are arranged side by side.

We set the float layout using the float property,

```
Unset
float: left;
float: right;
```

Example: float the div on the right of the paragraph, as shown below.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet, 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.



index.html

```
Unset
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="styles.css">
</head>

<body>
  <p>
    <div class="float-div"></div>
    Lorem ipsum dolor sit amet, consectetur
    adipiscing elit. Phasellus imperdiet, 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.
  </p>
</body>
</html>
```

styles.css

```
Unset
.float-div {
  float: right;
  width:170px;
  height:170px;
  margin-left:15px;
  background-color:red
}
```

Clear property

By using the clear CSS property, you can determine whether an element needs to be cleared from the floating elements that come before it.

Clear can have the following values,

- **right:** The element is placed below the right-floated element.
- **left:** The element is placed below the left-floated element.
- **both:** The element is placed below both left and right-floated elements.
- **none:** The element is not moved down to clear the space.
- **inherit:** The element inherits the clear value from its parent.

Let's understand them via the below example,

Example index.html

```
Unset
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="styles.css" />
  </head>

  <body>
    <div>
      <div class="float-left">LEFT</div>
      <div class="float-right">RIGHT</div>
      <p class="para">
        Lorem ipsum dolor sit amet, consectetur adipiscing
      elit. Phasellus
```

```
        imperdiet, 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.
    </p>
</div>
</body>
</html>
```

style.css

Unset

```
.float-left {
    float: left;
    width: 170px;
    height: 170px;
    margin-left: 15px;
    background-color: rgb(25, 146, 211);
    border: 15px solid rgb(248, 248, 0);
    font-size: 40px;
}

.float-right {
    float: right;
    width: 170px;
    height: 270px;
    margin-left: 15px;
    background-color: rgb(25, 146, 211);
    border: 15px solid rgb(248, 248, 0);
    font-size: 40px;
}
```

Browser Output

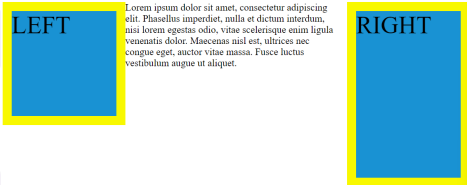
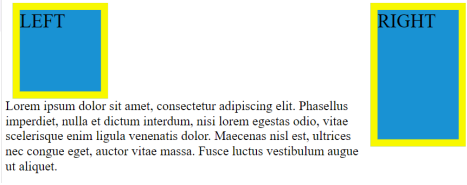
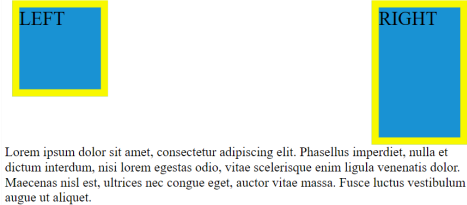
LEFT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet, 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.

RIGHT

In the above HTML, we have to focus on three elements, **float-left**, **float-right**, and **para**. Now, let's see the difference in output by changing the clear property as left, right, and both, none one by one.

Below is output via variation in clear property,

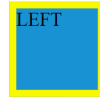
clear	Output
: none <pre>Unset .para { clear: none; }</pre>	
: left <pre>Unset .para { clear: left; }</pre>	
: right <pre>Unset .para { clear: right; }</pre>	

: both

Unset

```
.para {
  clear: both;
```

```
/*same output as
clear:right, because right
element is bigger than
left element, so if text
is cleared from right
element, means cleared
from both elements.*/
}
```



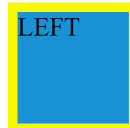
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet, nulla et dictum interdum, nisi lorem egestas odio, vitae scelerisque enim ligula venenatis dolor. Maecenas nisl est, ultrices nec congue eget, auctor vitae massa. Fusce luctus vestibulum augue ut aliquet.

: inherit

Unset

```
.para {
  clear: inherit;
```

```
/*equivalent to none,
because parent element has
clear:none (default) */
```



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet, 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.

```
}
```