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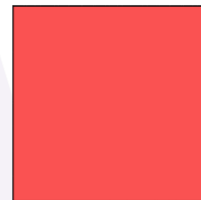
Floats are commonly used for creating multi-column layouts, where elements are arranged side by side.

We set float layout using **float** property,

```
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

```
<!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

```css
.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 three values (left, right, both) lets see them via below example,

index.html

```html
<!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>
```
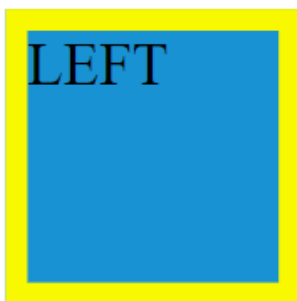
styles.css

```css
.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;
}
```
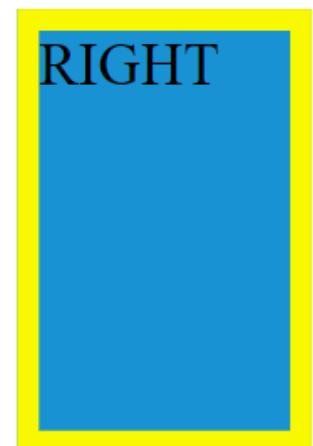
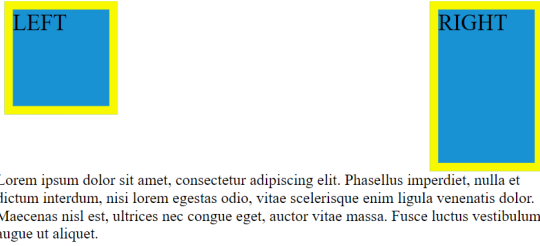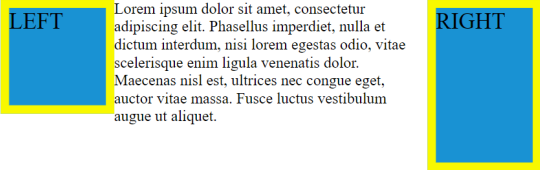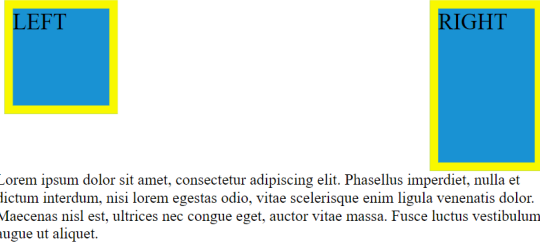In the above html, we have to focus on three elements, **float-left, float-right** and **para**.

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

Now let's see the difference between by adding clear property as left, right, and both one by one.

clear	Output

:left
 	
``css
.para {
    clear: left;
}
``
 	
	LEFT / RIGHT boxes
	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
 	
``css
.para {
    clear: right;
}
``
 	
	LEFT / RIGHT boxes
	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.

:both
 	
``css
.para {
    clear: both;
}
``
 	
	LEFT / RIGHT boxes
	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.