

135

## Float

- \* specifies how element should float.
- \* Used for positioning and formatting content.
- \* Values
 

left	right	center	inherit
------	-------	--------	---------

## Clear

- \* specifies what should happen with element that is next to a floating element.

- \* When clearing floats you should match the clear to the float.

- \* Values
 

left	right	both	inherit
------	-------	------	---------

- \* clearfix hack
  - If floated element is taller than containing element it will overflow outside of its container.
  - Then add clearfix hack to solve problem.
  - works well as long as you are able to keep control of your margins and paddings.
  - Safer to use
  - Use → overflow: auto

- \* Box-sizing
  - allow us to include padding & border in box's total width (and height) making sure that padding stays inside box and that it does not break.

- easily create 3 floating boxes side by side.

- \* However when you add something enlarges the width of each box → the box break.

- \* defines how width & height of element are calculated. Should they include padding & borders or not.

- \* Use float for navigations

136

Eg 1) float-left and -right.html

(!DOCTYPE html)

&lt;html&gt;

&lt;head&gt;

&lt;style&gt;

img-right {

float: right;

}

p {

float: left;

}

div {

float: none;

}

&lt;/style&gt;

&lt;/head&gt;

&lt;body&gt;

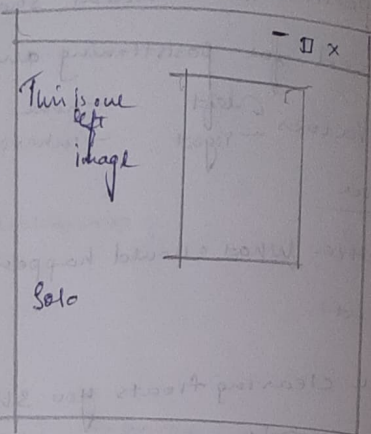
&lt;p&gt; This is one left image. &lt;/p&gt;

&lt;img class="right" src="images-for-ess/image-hin.jpeg"/&gt;

&lt;div class="v1"&gt; Solo &lt;/div&gt;

&lt;/body&gt;

&lt;/html&gt;



Eg 2) Float-Next-to-Each-other-left.html

(!DOCTYPE html)

&lt;html&gt;

&lt;head&gt;

&lt;style&gt;

div1 {

float: left;

padding: 10px;

div2 {

background: #f0e68c;

div3 {

background: #ffff00;

div3 {

background: #008000;

&lt;/style&gt;

&lt;/head&gt;

&lt;body&gt;

&lt;p&gt; In this example, the three divs will float next to each other. &lt;/p&gt;

&lt;div class="div1"&gt; Div1 &lt;/div&gt;

&lt;div class="div2"&gt; Div2 &lt;/div&gt;

&lt;div class="div3"&gt; Div3 &lt;/div&gt;

&lt;p&gt; In this eg, the three divs will float next to each other. &lt;/p&gt;



134

```
<div class = "div1"> Div1 </div>
```

```
<div class = "div2"> Div2 </div>
```

```
<div class = "div3"> Div3 </div>
```

(p) In this eg, the three divs will float next to each other (p)

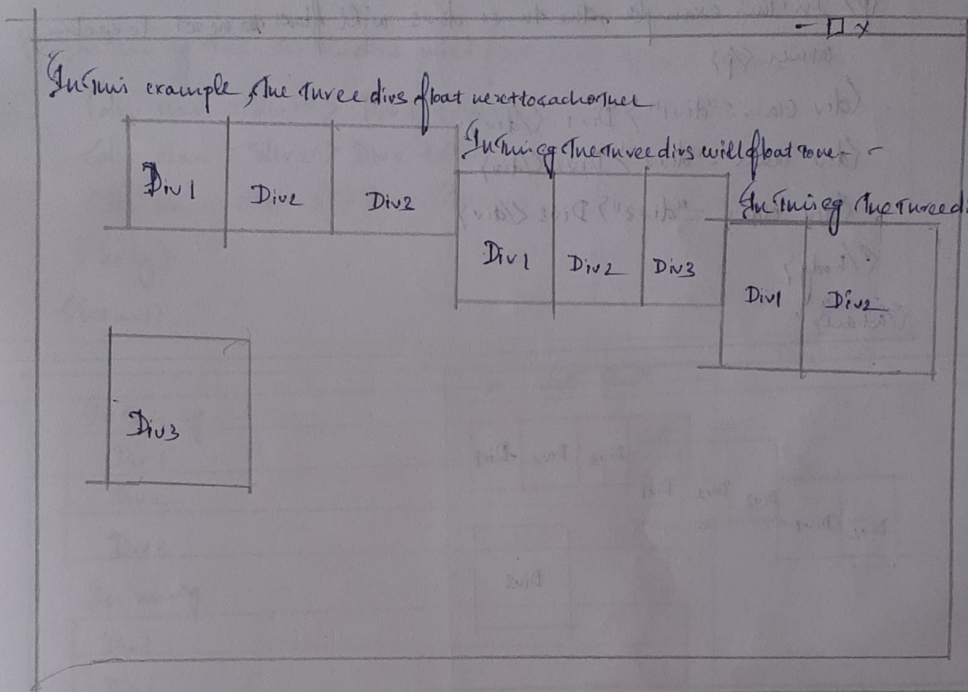
```
<div class = "div1"> Div1 </div>
```

```
<div class = "div2"> Div2 </div>
```

```
<div class = "div3"> Div3 </div>
```

```
</body>
```

```
</html>
```



eg3) float - Next - to - each - other - right - hand

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
div {
```

```
float: right; ✓
```

```
padding: 5px;
```

```
}
```

```
div1 {
```

```
background: #red;
```

```
}
```

```
div2 {
```

```
background: #yellow;
```

```
}
```

```
div3 {
```

```
background: #green;
```

```
}
```

```
</head>
```

```
</style>
```

130

<body>

<p> In this example, the three divs will float next to each other </p>

<div class = "div1"> Div1 </div>

<div class = "div2"> Div2 </div>

<div class = "div3"> Div3 </div>

<p> In this example, the three divs will float next to each other </p>

<div class = "div1"> Div1 </div>

<div class = "div2"> Div2 </div>

<div class = "div3"> Div3 </div>

<p> In this example, the three divs will float next to each other </p>

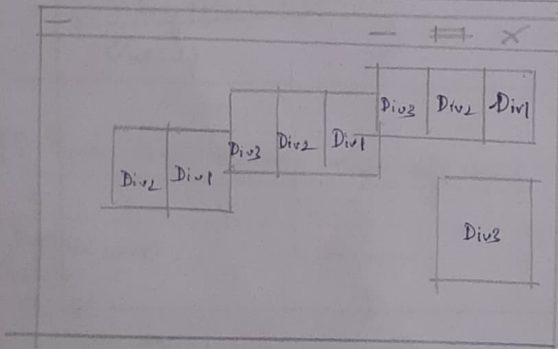
<div class = "div1"> Div1 </div>

<div class = "div2"> Div2 </div>

<div class = "div3"> Div3 </div>

</body>

</html>



Eg 4) Float - Next - To - each - other - none - html

<!DOCTYPE html>

<html>

<head>

<style>

div1

float: none; ✓  
padding: 5px;

div1

background: blue;

div2

background: yellow;

div3

background: green;

</style>



</head>

<body>

<p> In this eg, the three divs will float next to each other </p>

<div class = "div1"> Div1 </div>

<div class = "div2"> Div2 </div>

<div class = "div3"> Div3 </div>

<p> In this eg the three divs will float next to each other </p>

<div class = "div1"> Div1 </div>

<div class = "div2"> Div2 </div>

<div class = "div3"> Div3 </div>

<p> In this eg the three divs will float next to each other </p>

<div class = "div1"> Div1 </div>

<div class = "div2"> Div2 </div>

<div class = "div3"> Div3 </div>

</body>

</html>

In this eg. - -	
Div 1	
Div 2	
Div 3	
In this eg. - -	
Div 1	
Div 2	
Div 3	
In this eg. - -	
Div 1	
Div 2	
Div 3	

eg 5) Clear.html

<!DOCTYPE html>

<html>

<head>

<style>

div1 {

float: left;

padding: 10px;

border: 3px solid #f00;

div2 {

padding: 15px;

border: 3px solid #f00;

Ex - - - - -

```

div3 {
  float: left;
  padding: 10px;
  border: 3px solid black;
}
div4 {
  padding: 10px;
  border: 3px solid black;
  clear: left;
}

```

```

<style>
</head>
<body>
  <h2> Without clear </h2>
  <div class="div1">div1</div>
  <div class="div2">div2</div>
  <br> <br>
  <h2> With clear </h2>
  <div class="div3">div3</div>
  <div class="div4">div4</div>
</body>
</html>

```

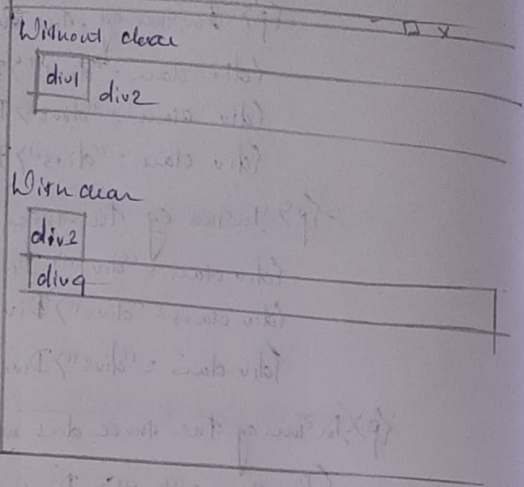
Ex 6) clearfix.html

```

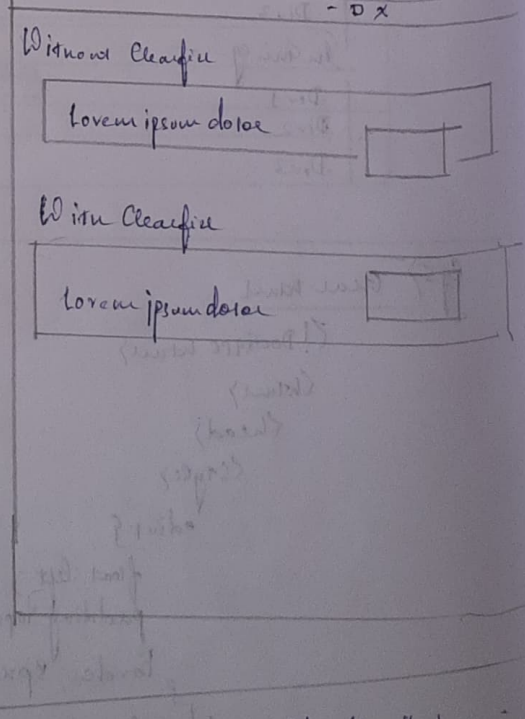
<!DOCTYPE html>
<html>
  <head>
    <style>
      div5 {
        border: 3px solid green;
        padding: 15px;
      }
      img1 {
        float: right;
      }
      img2 {
        float: right;
      }
      .clearfix {
        overflow: auto;
      }
    </style>
  </head>
  <body>
    <h2> Without clearfix </h2>
    <div>
      <img class="img" src="..." images-for-css/image-list.jpeg"

```

Ex



Ex



widtn="180" height="40"

src="..." images-for-css/image-list.jpeg"



Q41 Lorem ipsum dolor

</div>

<h2> With Clearfix </h2>

<div class="clearfix">



Lorem ipsum dolor

</div>

</body>

</html>

Q47 image side by side.html

<!DOCTYPE html>

<html>

<head>

<style>

\*{  
box-sizing: border-box;  
}

.img-container {

float: left;

width: 33%;

padding: 5px;  
}

.clearfix: :after {

clear: both;

display: table;  
}

</style>

</head>

<body>

<h2> Images side by side </h2>

<div class="clearfix">

<div class="img-container">



</div>

<div class="img-container">



</div>

<div class="img-container">



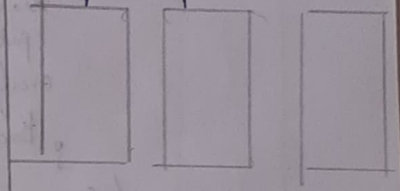
</div>

</div>

<p> Note that we also use clearfix here to take care of layout flow

O/p

Image Side by Side



Note that we also use the clearfix here to take

(142) and we add box sizing property to make sure that the image container doesn't break due to extra padding. Try to remove this code to see the effect </p>

</body>

</html>

Eg 2) Navigation float menu

<!DOCTYPE html>

<html>

<head>

<style>

ul {

list-style-type: none;

margin: 0;

padding: 0;

overflow: hidden;

background-color: #f333;

li {

float: left;

}

li a {

display: inline-block;

color: white;

text-align: center;

padding: 10px 10px;

text-decoration: none;

}

li a:hover {

background-color: #f111;

}

li a:active {

background-color: #f666;

}

</style>

</head>

<body>

<ul>

<li><a href="#home" class="active">Home</a></li>

<li><a href="#news">News</a></li>

<li><a href="#contact">Contact</a></li>

<li><a href="#about">About</a></li>

</ul>

</body>

</html>

Op 2

Home News Contact About