CSS Layout - float - clear and clearfix

- description : CSS float - clear and clearfix
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The source of this article

- CSS float - clear and clearfix

The clear Property

clear .

clear .

- none - . .
- left - .
- right - .
- both - .
- inherit - .

clear float .

float clear float : float ,
. float float , .

float . .div .

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Without/With clear</title>
    <style>
        .div1 {
            float: left;
            width: 100px;
            height: 50px;
            margin: 10px;
            border: 3px solid green;
        }

        .div2 {
            border: 2px solid red;
        }

        .div3 {
            float: left;
            width: 100px;
            height: 50px;
            margin: 10px;
            border: 3px solid green;
        }

        .div4 {
            border: 2px solid red;
            clear: left;
        }
    </style>
</head>

<body>
    <h2>Without clear</h2>
    <div class="div1"><strong>div1</strong></div>

    <div class="div2">
        <strong>div2</strong> - Notice that div2 is after div1 in the HTML
code.
        However, since div1 floats to the left, the text in div2 flows
around
        div1..............................................
    </div>
    <br><br>

    <h2>With clear</h2>
    <div class="div3"><strong>div3</strong></div>
    <div class="div4"><strong>div4</strong> - Here, clear: left; moves div4
down below the floating div3.
    The value "left" clears elements floated to the left. You can also clear
```

```
"right" and "both".
    </div>
</body>

</html>
```

The clearfix Hack

float   ,   .
         ,   ,   overflow: auato
     .

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Clearfix</title>
    <style>
        div {
            border: 3px solid green;
            padding: 5px;
        }

        .img1 {
            float: right;
        }

        .clearfix {
            overflow: auto;
        }

        .img2 {
            float: right;
        }
    </style>
</head>

<body>

    <h2>Clearfix</h2>
```

```html
    <p>
        In this example, the image is taller than the element containing it,
and it is floated, so it overflows outsie of its container:
    </p>

    <div>
        <img class="img1" src="pineapple.jpg" alt="pineapple" width="170"
height="170">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus
imperdiet, nulla et dictum interdum...
    </div>

    <p style="clear:right">
        Add a clearfix class with overflow: auto; to the containing element,
to fix this problem:
    </p>

    <div class="clearfix">
        <img class="img2" src="pineapple.jpg" alt="pineapple" width="170"
height="170">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus
imperdiet, nulla et dictum interdum...
    </div>

</body>

</html>
```

overflow: auto clearfix   .(,
).   clearfix hack   ,
                               .

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Clearfix</title>
    <style>
        div {
            border: 3px solid green;
```

```
            padding: 5px;
        }

        .img1 {
            float: right;
        }

        .clearfix::after {
            content: "";
            clear: both;
            display: table;
        }

        .img2 {
            float: right;
        }
    </style>
</head>

<body>

    <p>
        In this example, the image is taller than the element containing it,
and it is floated, so it overflows outsie of its container:
    </p>

    <div>
        <h2>Without Clearfix</h2>
        <img class="img1" src="pineapple.jpg" alt="pineapple" width="170"
height="170">
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus
imperdiet, nulla et dictum interdum...
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height="170">
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imperdiet, nulla et dictum interdum...
    </div>

</body>

</html>
```

, CSS, float,, clear

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