CSS Layout - float - clear and clearfix

- description : CSS float - clear and clearfix
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- lastupdate : 2021-03-15

The source of this article

- CSS float - clear and clearfix

The clear Property

clear   ,   , clear   .

clear   .

clear   .

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

floats   , clear   float   :
                                    ,   .
                            ,
    .

Example

                                                      .
<div2>   <div1>   .

```
<style>
      .div1 {
        float: left;
        padding: 10px;
        border: 3px solid #73ad21;
      }

      .div2 {
        padding: 10px;
        border: 3px solid red;
      }

      .div3 {
        border: 3px solid #72a;
        padding: 10px;
        float: left;
      }

      .div4 {
        border: 3px solid green;
        padding: 10px;
        clear: left;
      }
    </style>
  </head>
  <body>
    <h2>Without clear</h2>
    <div class="div1">div1</div>
    <div class="div2">
      div2 - 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">div3</div>
    <div class="div4">
      div4 - 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>
```

The clearfix Hack

 (overflow).

, 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 {
            overflow: auto;
        }

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

<body>

    <h2>Clearfix</h2>

    <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   ,
                                    .

```
<!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...
    </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>
```

,, CSS, float,, clear