Cascading Style Sheets (CSS)
Part 2

Lecture # 04

CSS Floating

Float:

- The float property moves an element as far as possible to the left or right, allowing the following content to wrap around it.

- Values: left | right | none

```
<p><img src="pineapple.jpg" alt="Pineapple" >Lorem ipsum
dolor sit amet consectetur adipisicing elit……………… <p>
```

```
img { float: right;
        height:100px;
        margin-left:15px;}

p { text-align: justify;}
```

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CSS Floating

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit…………. </p>
<p id="float" >Lorem ipsum dolor sit amet consectetur adipisicing elit…………. </p>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit…………. </p>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit…………. </p>

p { border: 2px red solid; }

#float {
        float: left;
        width: 300px;
        margin: 10px;
        background: white;

    }

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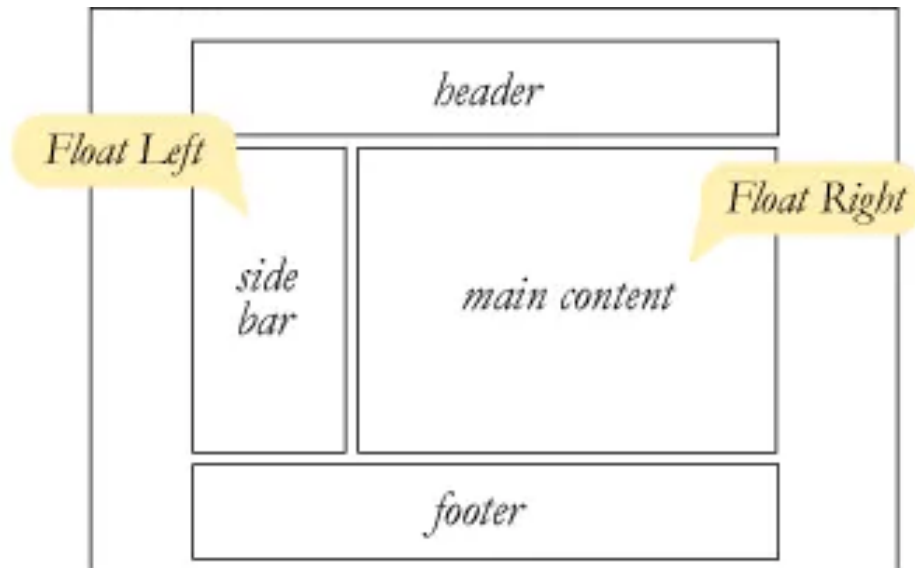
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CSS Floating

Floats for layout

- Aside from the wrapping text around images, floats can be used to create entire web layouts.

Clearing Floated Elements

- **Clear:**

  Values: left | right | both | none

- If you're going to be floating elements around, it's important to know how to turn the text wrapping off and get back to normal flow as usual. You do this by clearing the element that you want to start below the float. Applying the clear property to an element prevents it from appearing next to a floated element and forces it to start against the next available "clear" space below the float.

Clearing Floated Elements

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit………….. </p>
<p id="float" >Lorem ipsum dolor sit amet consectetur adipisicing
elit………….. </p>
 <div class="clear"></div>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit………….. </p>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit………….. </p>

```
p { border: 2px red solid;  }

#float {

        float: left;
        width: 300px;
        margin: 10px;
        background: white;

        }

.clear{  clear:left;  }
```

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CSS Positioning

- **position:**

  The position property indicates that an element is to be positioned and specifies which positioning method to use.

- Values: static | relative | absolute | fixed | sticky

static

- This is the default position in which elements are positioned as they occur in the normal document flow

relative

- It moves the element box relative to its original position in the flow.
- the space that the element would have occupied in the normal flow is kept as empty space.

CSS Positioning

absolute

- Absolutely positioned elements are removed from the document flow entirely and positioned with respect to the a containing element.

- Absolute positioned elements are removed from the normal flow.

fixed

- The element stays in one position in the viewport even when the document scrolls.

- It is removed from the document flow and positioned relative to the viewport.

sticky

- Sticky positioning is a combination of relative and fixed in that it behaves as though it is relatively positioned, until it is scrolled into a specified position relative to the viewport

CSS Positioning

Specifying Position:

- Once you've established the positioning method, the actual position is specified with some combination of up to four offset properties.
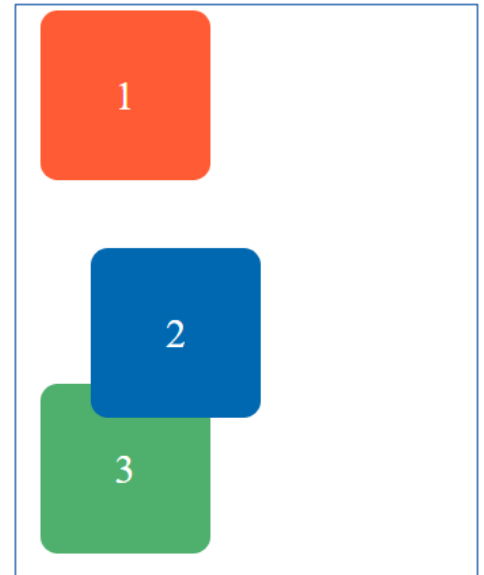
    top, right, bottom, left.

- The position property indicates that an element is to be positioned and specifies which positioning method to use.

- **Note**: The left, right, top and bottom properties do not affect an element with position: static.

position: relative

```
<div id="div-1">1</div>
<div id="div-2">2</div>
<div id="div-3">3</div>
```

```
#div-1 { background-color: #FF5C35; }
#div-2 {
   position: relative;
   top: 30px;
   left: 30px;
   background-color: #0068B1; }

#div-3 { background-color: #4FB06D; }

div { width: 100px;
      height: 100px;
      margin: 10px;
      border-radius: 10px;
      text-align: center;
      line-height: 100px;
      color: white;
      font-size: 24px;   }
```
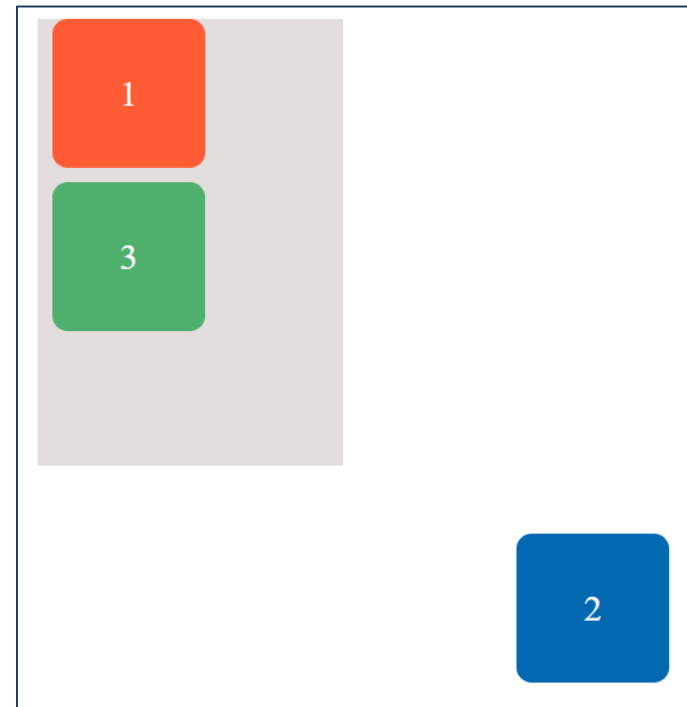
position: absolute

```
#container{
    background-color: #e3dede;
    width:200px;
    height: 300px;
    border-radius: 0px;  }
#div-1 { background-color: #FF5C35; }
#div-2 {
    position: absolute;
    bottom: 10px;
    right: 10px;
    background-color: #0068B1; }

#div-3 { background-color: #4FB06D; }

div { width: 100px;
        height: 100px;
        margin: 10px;
        border-radius: 10px;
        text-align: center;
        line-height: 100px;
        color: white;
        font-size: 24px;   }
```

```
<div id="container">
    <div id="div-1">1</div>
    <div id="div-2">2</div>
    <div id="div-3">3</div>
</div>
```
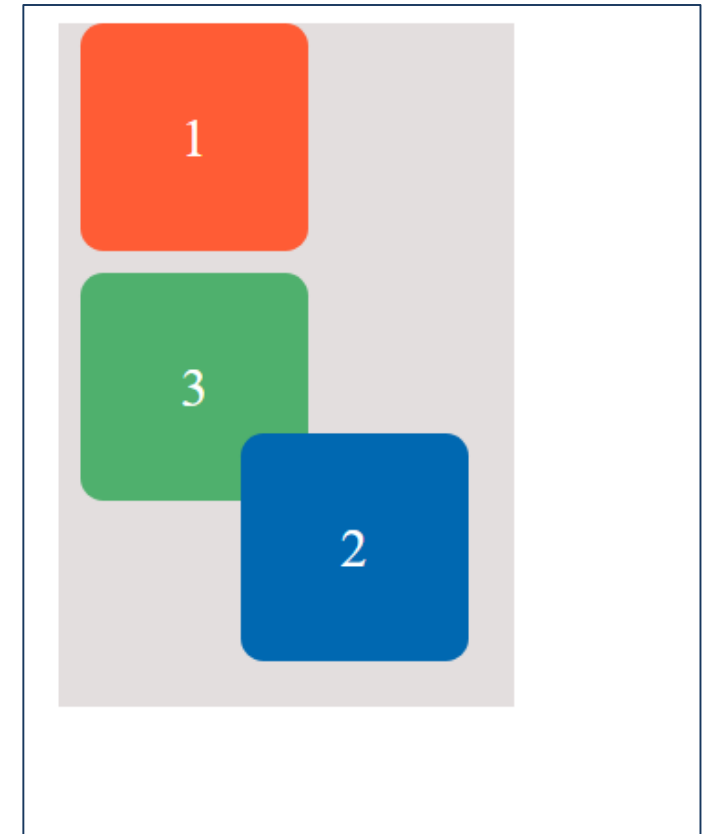
position: absolute

```css
#container{
    background-color: #e3dede;
    width:200px;
    height: 300px;
    border-radius: 0px;
    position: relative;   }
#div-1 { background-color: #FF5C35; }
#div-2 {
    position: absolute;
    bottom: 10px;
    right: 10px;
    background-color: #0068B1; }

#div-3 { background-color: #4FB06D; }

div { width: 100px;
        height: 100px;
        margin: 10px;
        border-radius: 10px;
        text-align: center;
        line-height: 100px;
        color: white;
        font-size: 24px;   }
```

```html
<div id="container">
    <div id="div-1">1</div>
    <div id="div-2">2</div>
    <div id="div-3">3</div>
</div>
```
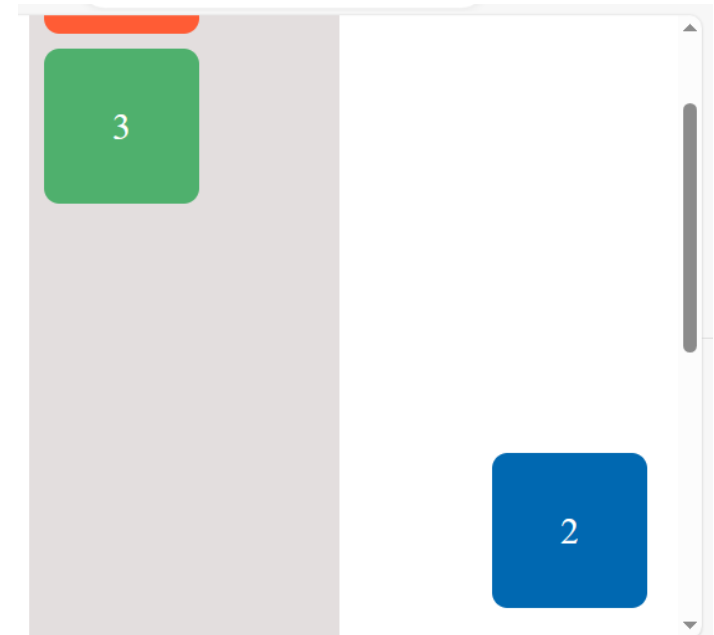
position: fixed

```css
#container{
    background-color: #e3dede;
    width:200px;
    height: 900px;
    border-radius: 0px; }
#div-1 { background-color: #FF5C35; }
#div-2 {
   position: fixed;
   bottom: 10px;
   right: 10px;
   background-color: #0068B1; }

#div-3 { background-color: #4FB06D; }

div { width: 100px;
      height: 100px;
      margin: 10px;
      border-radius: 10px;
      text-align: center;
      line-height: 100px;
      color: white;
      font-size: 24px;   }
```

```html
<div id="container">
    <div id="div-1">1</div>
    <div id="div-2">2</div>
    <div id="div-3">3</div>
</div>
```

position: sticky

```
body{height:1000px;}
#container{
    background-color: #e3dede;
    width:200px;
    height: 350px;
    border-radius: 0px;
  }
#div-1 { background-color: #FF5C35; }
#div-2 {
  position: sticky;
  top:0px;
  background-color: #0068B1; }
#div-3 { background-color: #4FB06D; }
div {
  width: 100px;
  height: 100px;
  margin: 10px;
  border-radius: 10px;
  text-align: center;
  line-height: 100px;
  color: white;
  font-size: 24px; }
```

```
<div id="container">
  <div id="div-1">1</div>
  <div id="div-2">2</div>
  <div id="div-3">3</div>
</div>
<p>Lorem ipsum dolor sit
              ………….</p>
```

position: sticky