

CSS Positioning

CSS Positioning and Floating



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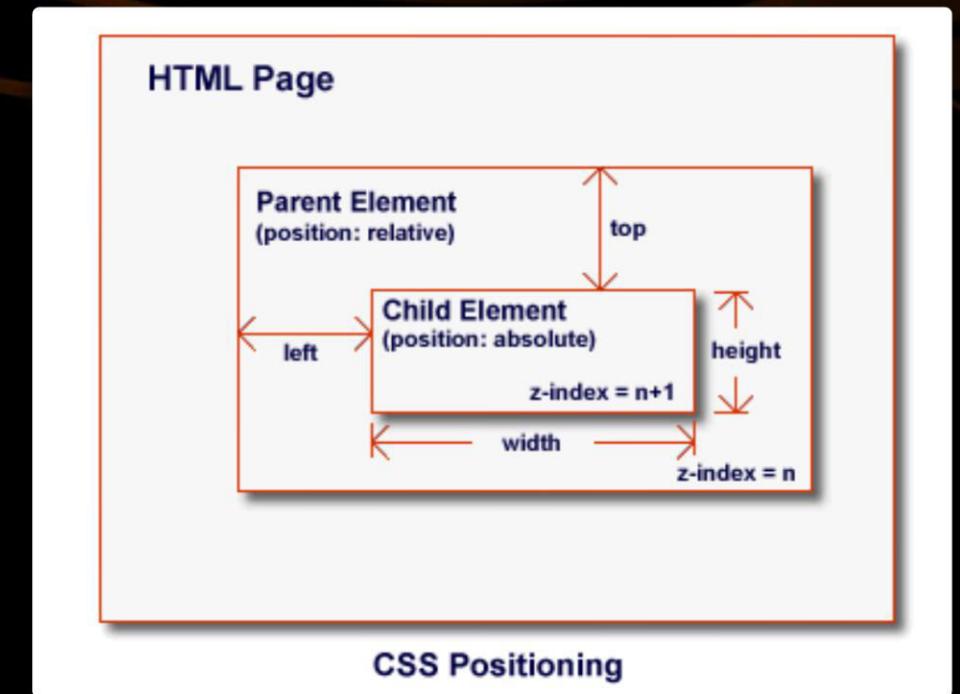
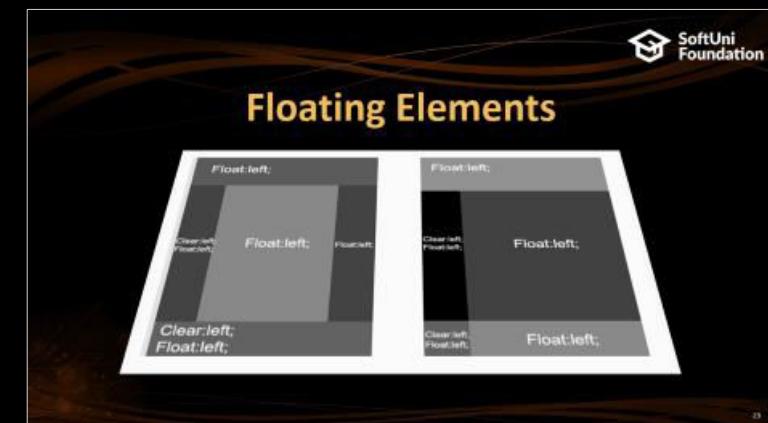
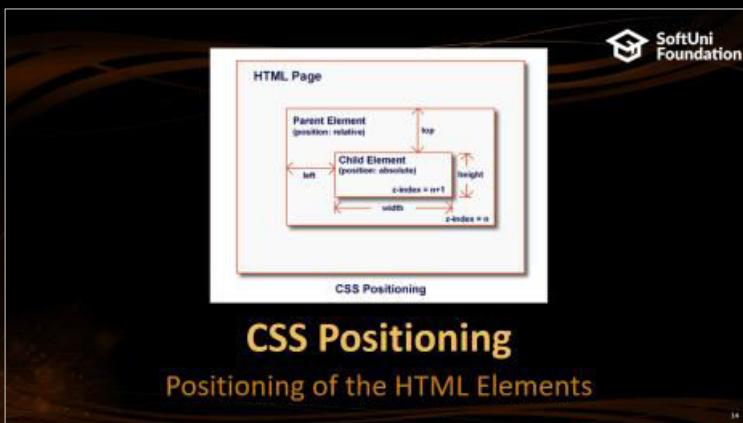
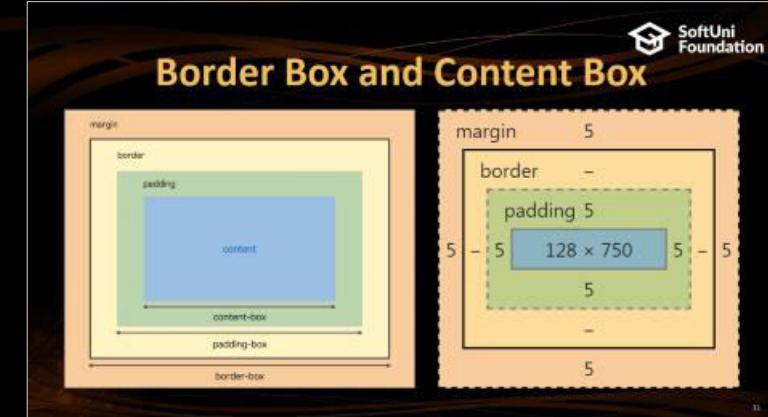
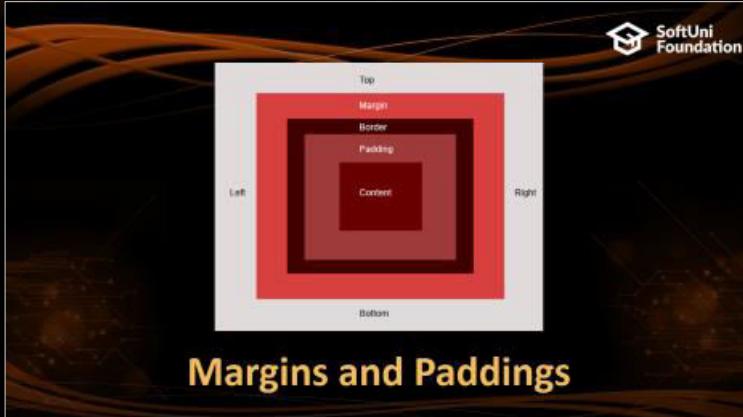


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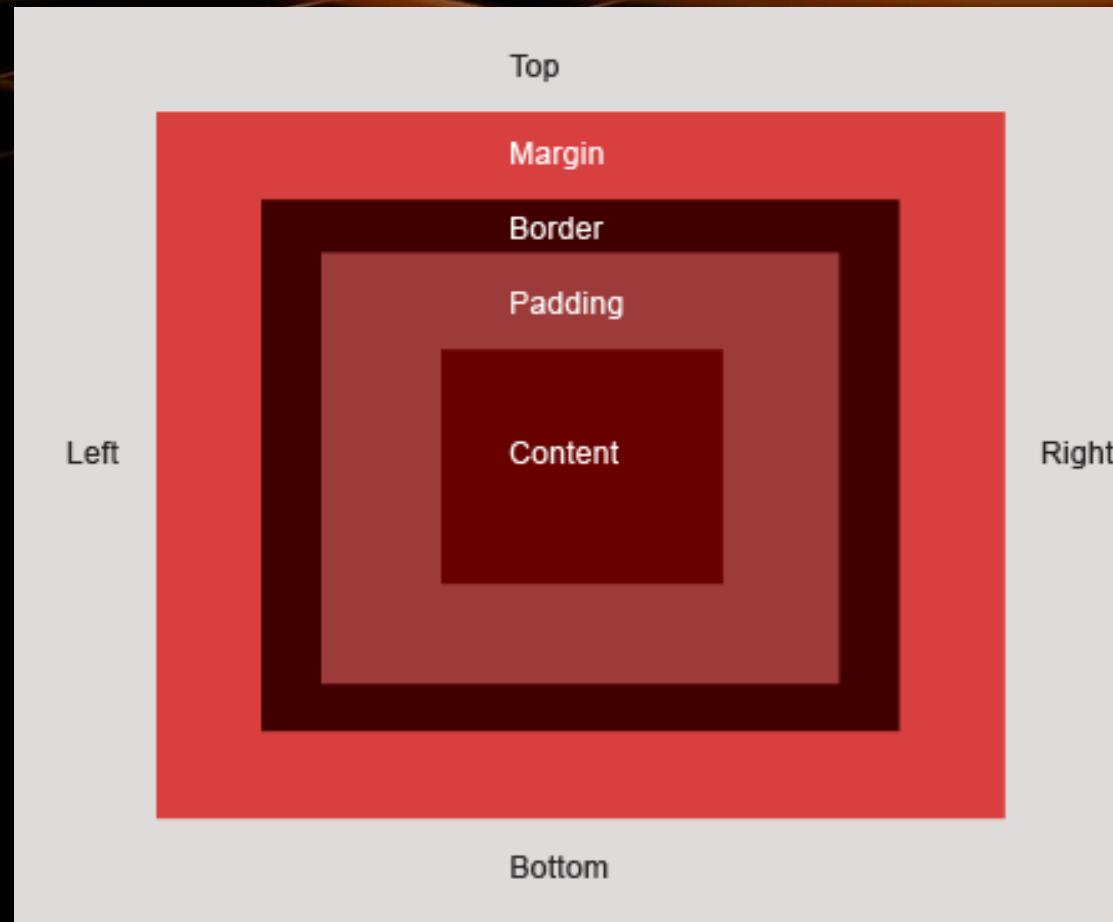


Have a Question?



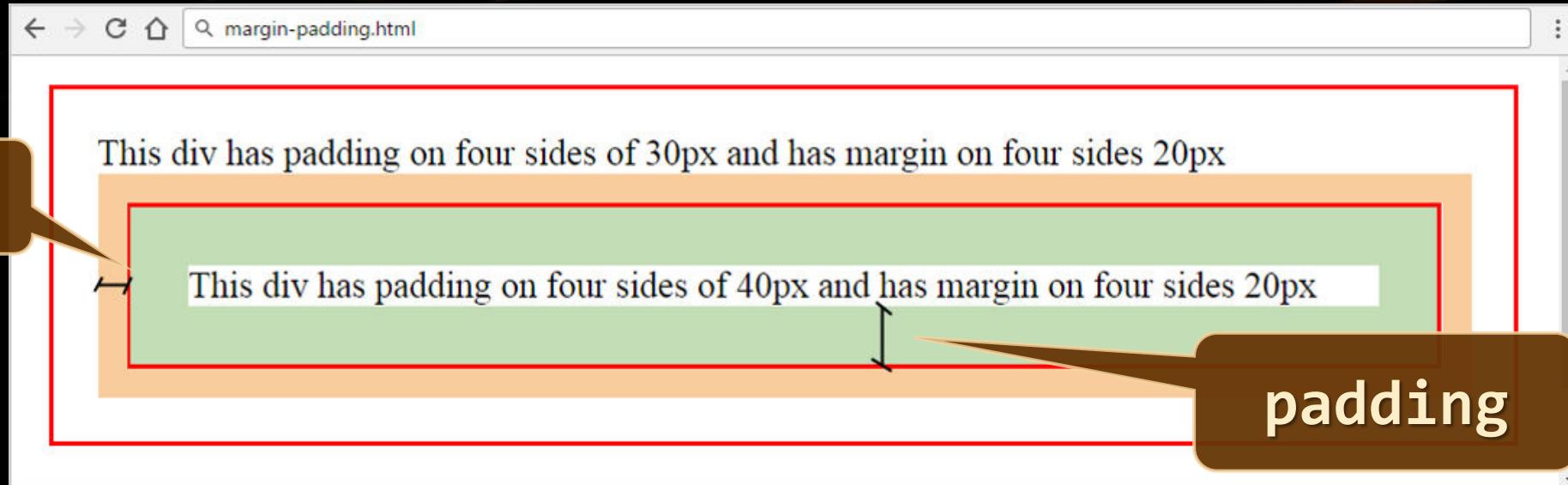
sli.do

#front-end



Margins and Paddings

Margins and Paddings



margin-top

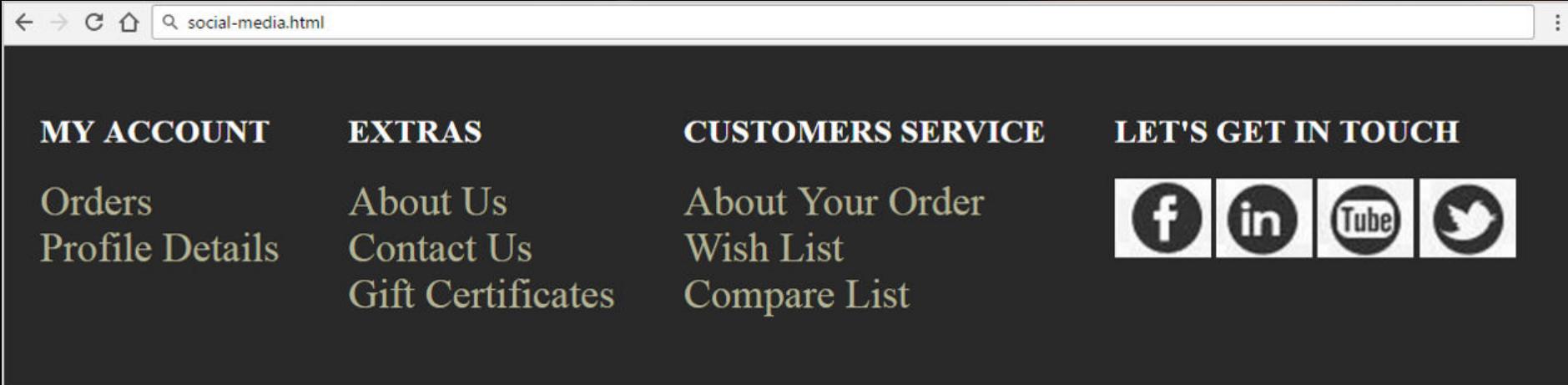
margin-right

margin-bottom

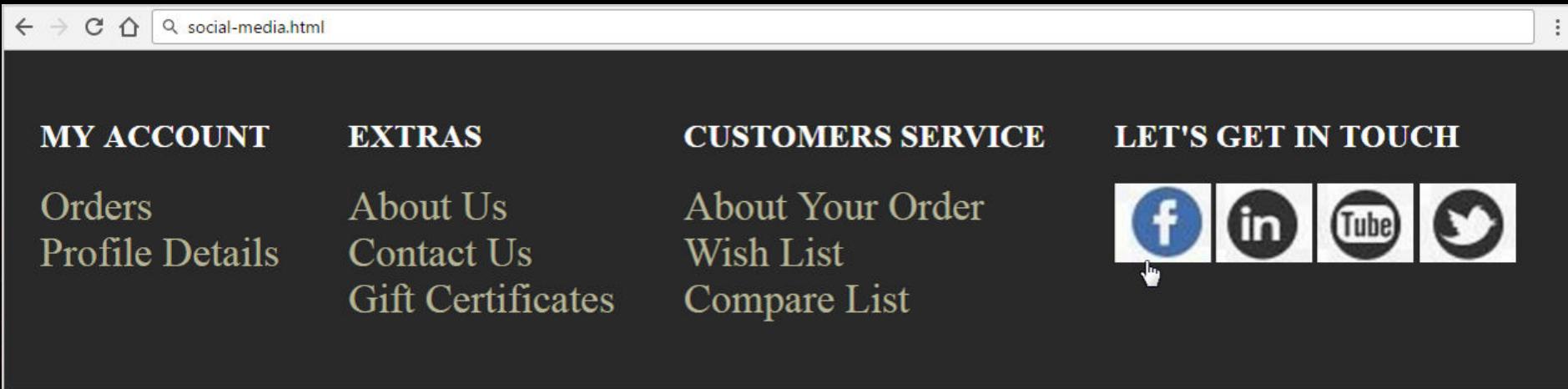
```
div { margin: 20px 20px 20px 20px  
      padding: 30px 30px 30px 30px }
```

margin-left

Problem: Social Media



A screenshot of a web browser window titled "social-media.html". The page features a dark gray header with white text. It includes four main categories: "MY ACCOUNT", "EXTRAS", "CUSTOMERS SERVICE", and "LET'S GET IN TOUCH". Under "MY ACCOUNT", there are links to "Orders" and "Profile Details". Under "EXTRAS", there are links to "About Us", "Contact Us", and "Gift Certificates". Under "CUSTOMERS SERVICE", there are links to "About Your Order", "Wish List", and "Compare List". The "LET'S GET IN TOUCH" section contains four circular icons representing different social media platforms: Facebook, LinkedIn, YouTube, and Twitter.



A screenshot of a web browser window titled "social-media.html", identical to the one above. The "LET'S GET IN TOUCH" section now shows the Facebook icon highlighted with a white cursor arrow pointing at it. All other icons remain unselected.

Solution: Social Media – HTML

```
<footer>
  <section>
    <h2>my account</h2>
    <ul>
      <li><a href="#">orders</a></li>
      <li><a href="#">profile details</a></li>
    </ul>
  </section>
  <!-- TODO: put the rest <section> here -->
  <!-- TODO: put the rest <ul> here -->
  <!-- TODO: put the rest <li> here -->
```

Solution: Social Media – HTML (2)

```
<section>
  <h2>let's get in touch</h2>
  <div>
    <div class="facebook"><a href="#"></a></div>
    <div class="linkedin"><a href="#"></a></div>
    <div class="youtube"><a href="#"></a></div>
    <div class="twitter"><a href="#"></a></div>
  </div>
</section>
</footer>
```

Check your solution here: <https://judge.softuni.bg/Contests/406/>

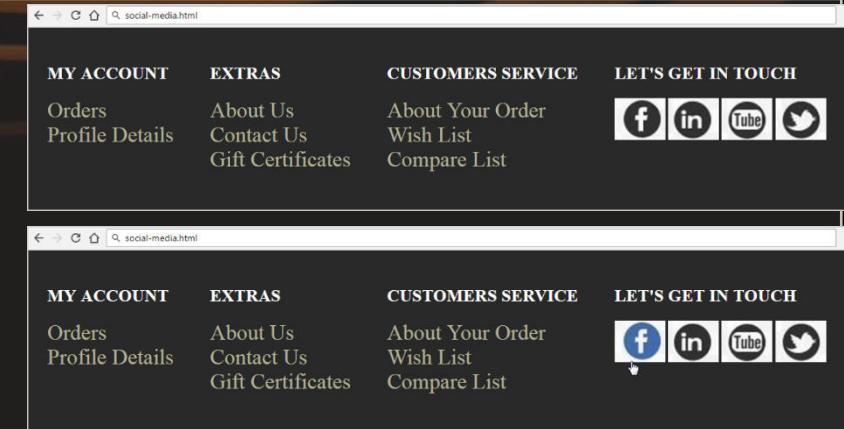
Solution: Social Media – CSS

```
ul, li, div, section, a {  
    margin: 0;  
    padding: 0; }  
  
body {  
    background: rgb(41, 41, 41); }  
  
footer {  
    height: 150px;  
    margin: 0 auto; }  
  
h2 {  
    text-transform: uppercase; }  
  
section {  
    float: left;  
    margin-left: 10px;
```

```
padding: 20px;  
height: 150px;  
color: #ffffff;  
}  
  
ul {  
    list-style: none;  
}  
  
a {  
    text-decoration: none;  
    color: rgb(181, 180, 152);  
    font-size: 30px;  
    text-transform: capitalize;  
}
```

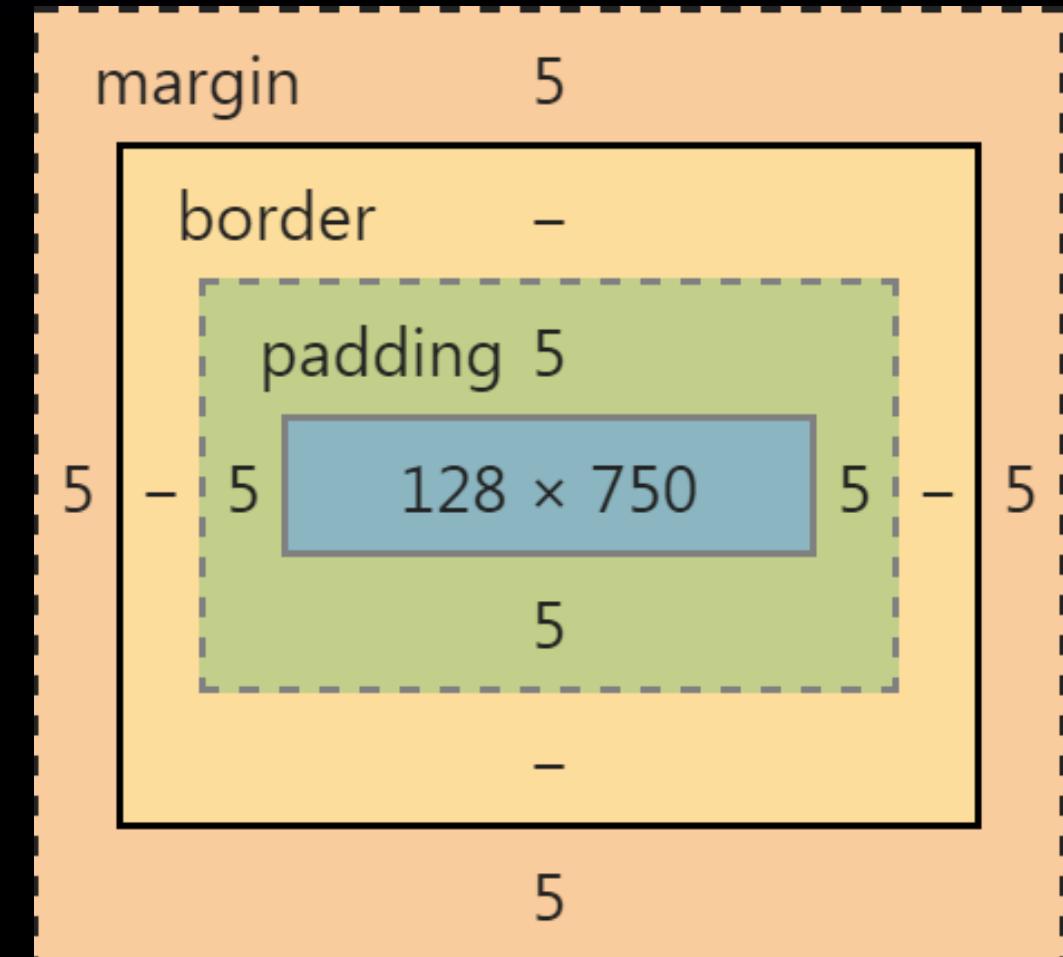
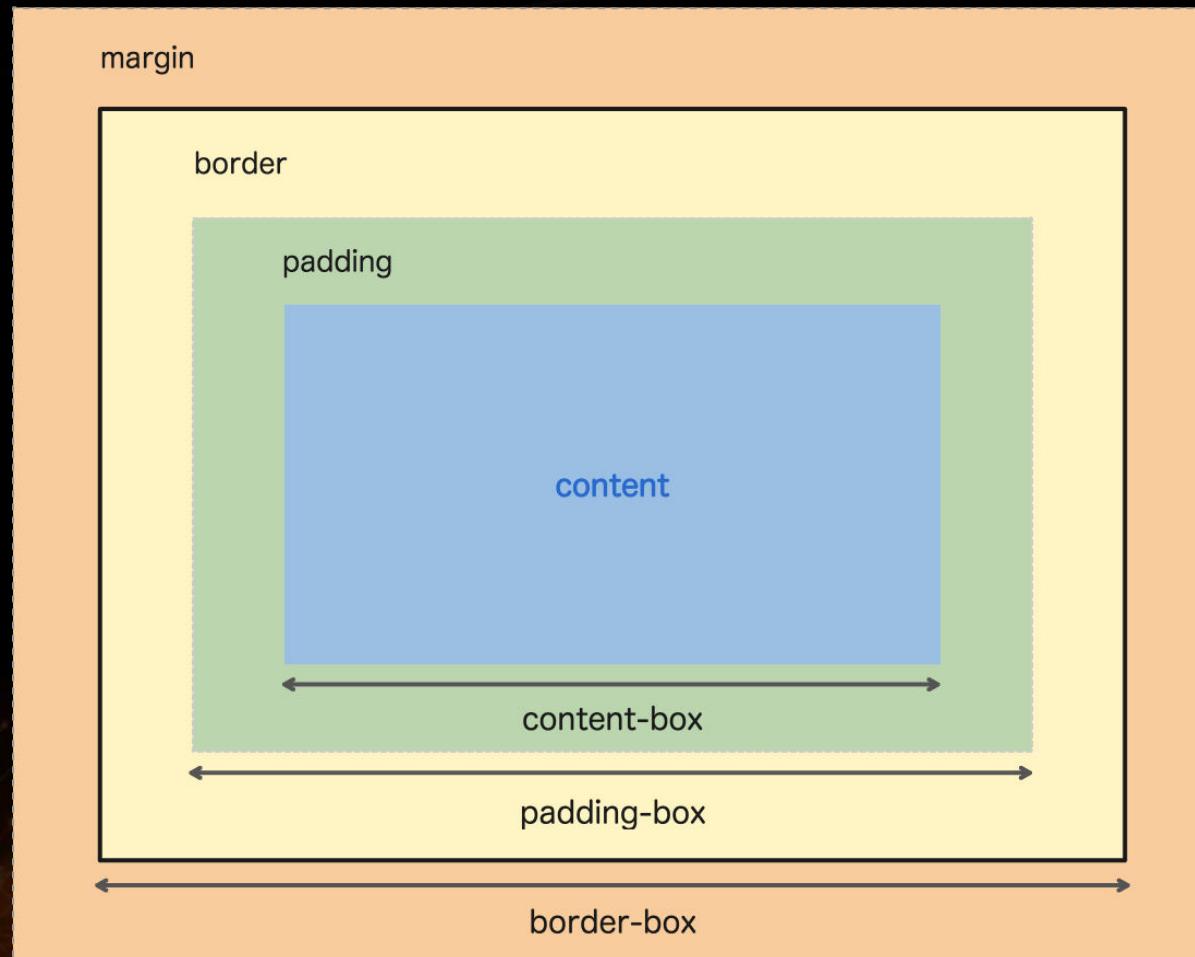
Solution: Social Media – CSS (2)

```
footer > section > div div {  
    width: 70px;  
    height: 58px;  
    background: url("images/social.jpg");  
    display: inline-block; }
```



```
.twitter { background-position: 772px 126px; }  
.linkedin { background-position: 642px 126px; }  
.youtube { background-position: 325px 126px; }  
.facebook, .twitter, .youtube, .linkedin { cursor: pointer; }  
.facebook:hover { background-position: 0 60px; }  
.linkedin:hover { background-position: 642px 63px; }  
.youtube:hover { background-position: 325px 63px; }  
.twitter:hover { background-position: -66px 63px; }
```

Border Box and Content Box

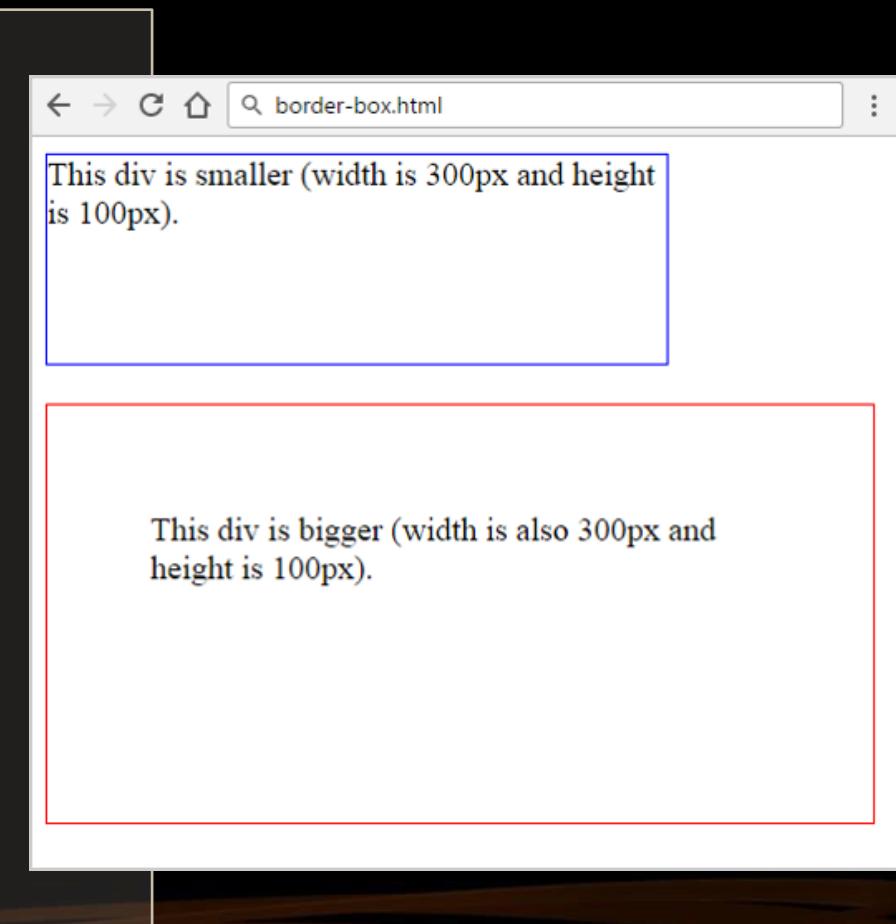


CSS Box-Sizing: Content-Box

```
<div class="div1">This div is smaller...</div>
```

```
<div class="div2">This div is bigger...</div>
```

```
.div1 {  
    width: 300px;  
    height: 100px;  
    border: 1px solid blue; }  
  
.div2 {  
    width: 300px;  
    height: 100px;  
    padding: 50px;  
    border: 1px solid blue;  
}
```



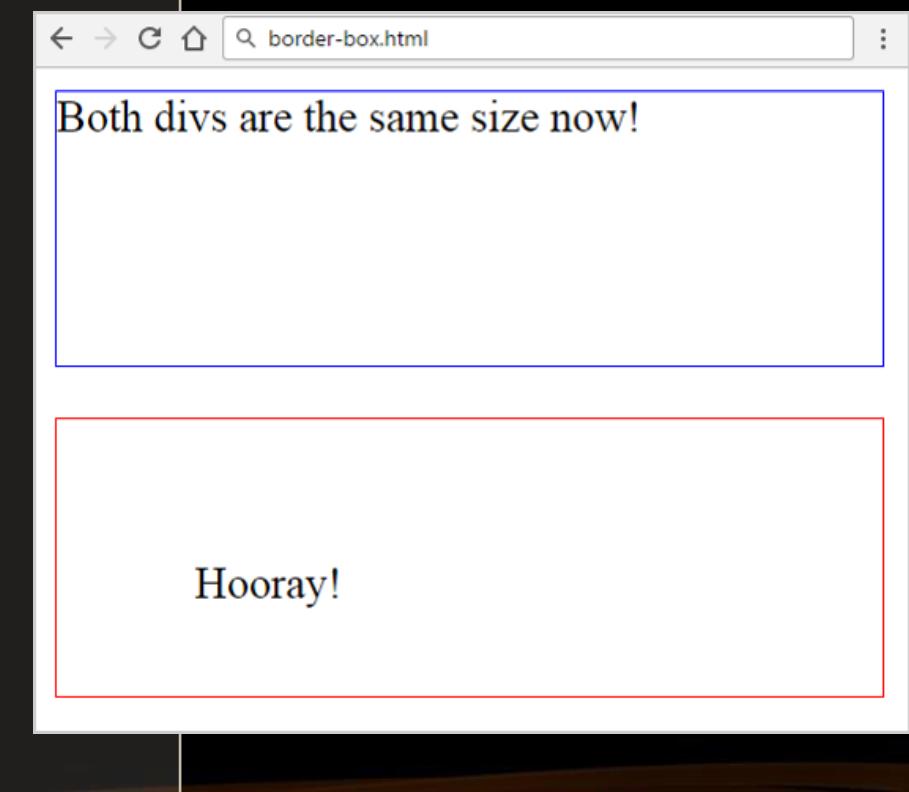
CSS Box-Sizing: Border-Box

```
<div class="div1">Both divs...</div>
```

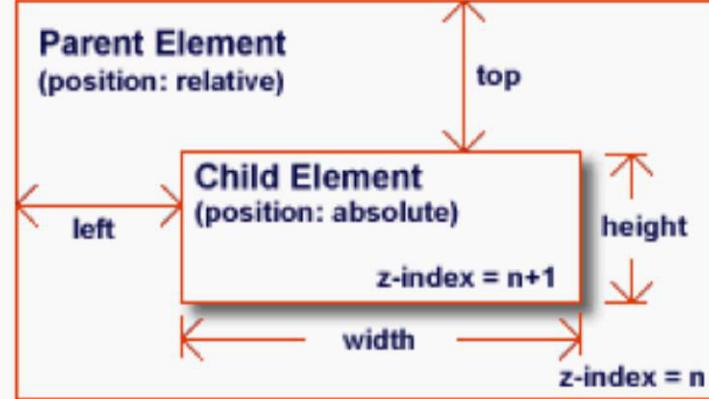
```
<div class="div2">Hooray!</div>
```

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

```
.div1 {  
width: 300px;  
height: 100px;  
border: 1px solid blue; }  
  
.div2 {  
width: 300px;  
height: 100px;  
padding: 50px;  
border: 1px solid blue; }
```



HTML Page



CSS Positioning

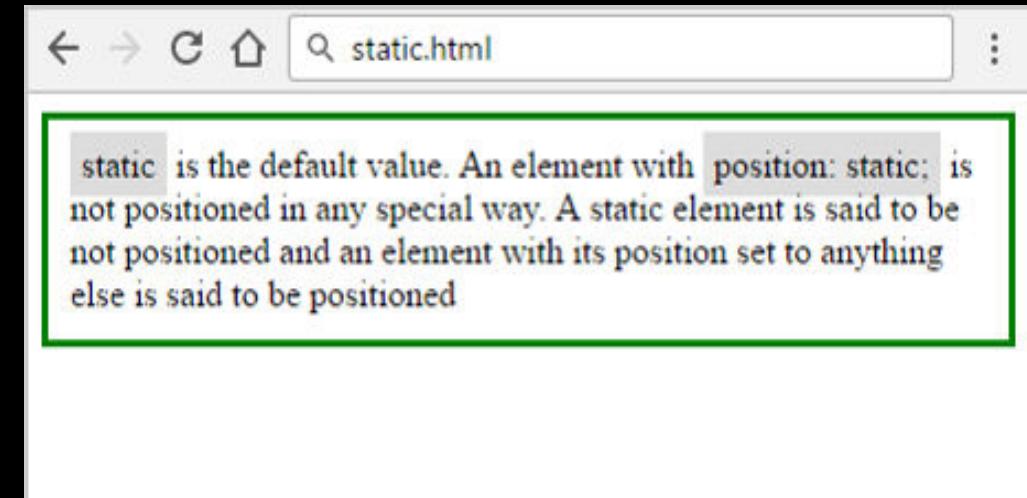
CSS Positioning

Positioning of the HTML Elements

Positioning: Static

```
<div class="static">  
    static is the default value...  
</div>
```

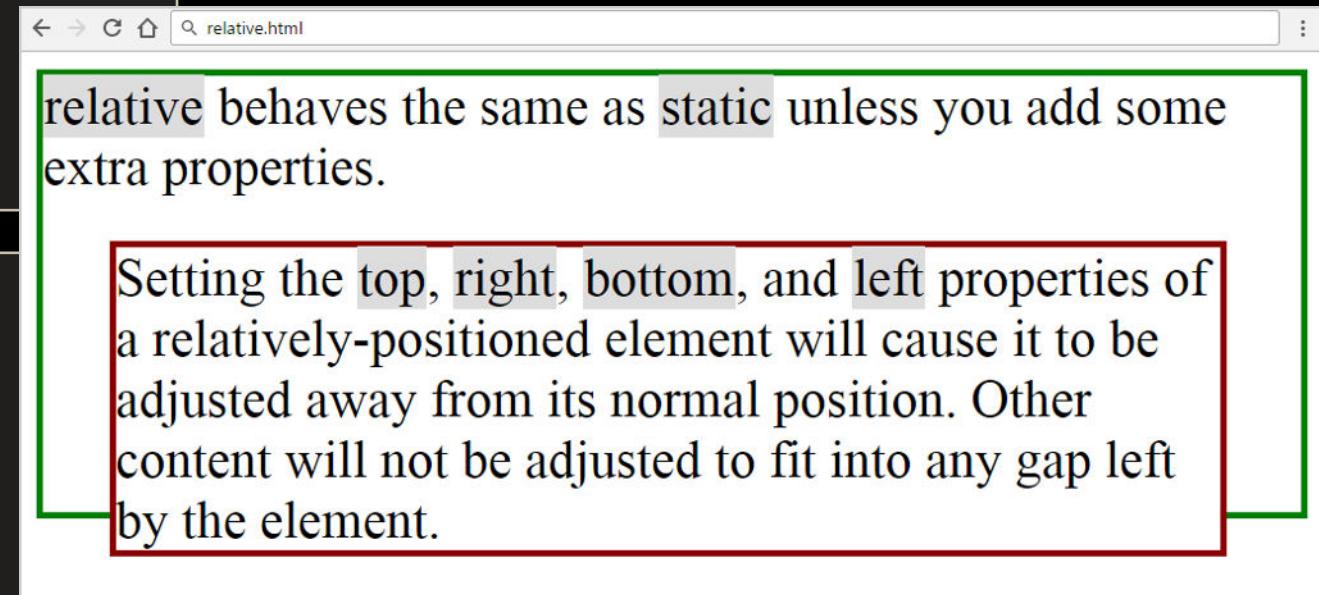
```
.static {  
    position: static;  
    border: 3px solid green;  
    padding: 10px;  
}
```



Positioning: Relative

```
<div class="relative1">  
    relative behaves ...  
    <div class="relative2">  
        Setting the top...  
    </div>  
</div>
```

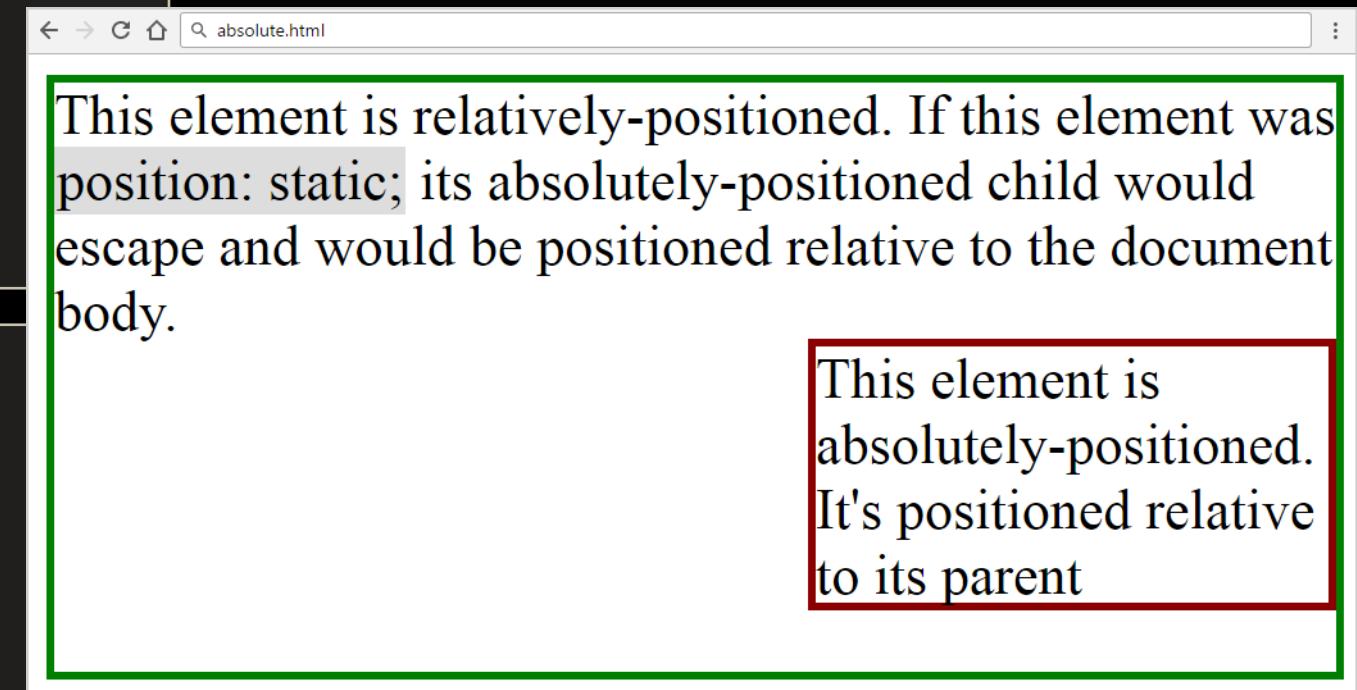
```
.relative1 {  
    position: relative;  
}  
.relative2 {  
    position: relative;  
    top: 20px; left: 30px; }
```



Positioning: Absolute

```
<div class="relative">  
    This element is relatively...  
    <div class="absolute">  
        This element is...  
    </div>  
</div>
```

```
.relative {  
    position: relative;  
}  
.absolute {  
    position: absolute;  
    top: 100px; right: 0; }
```



Positioning: Fixed

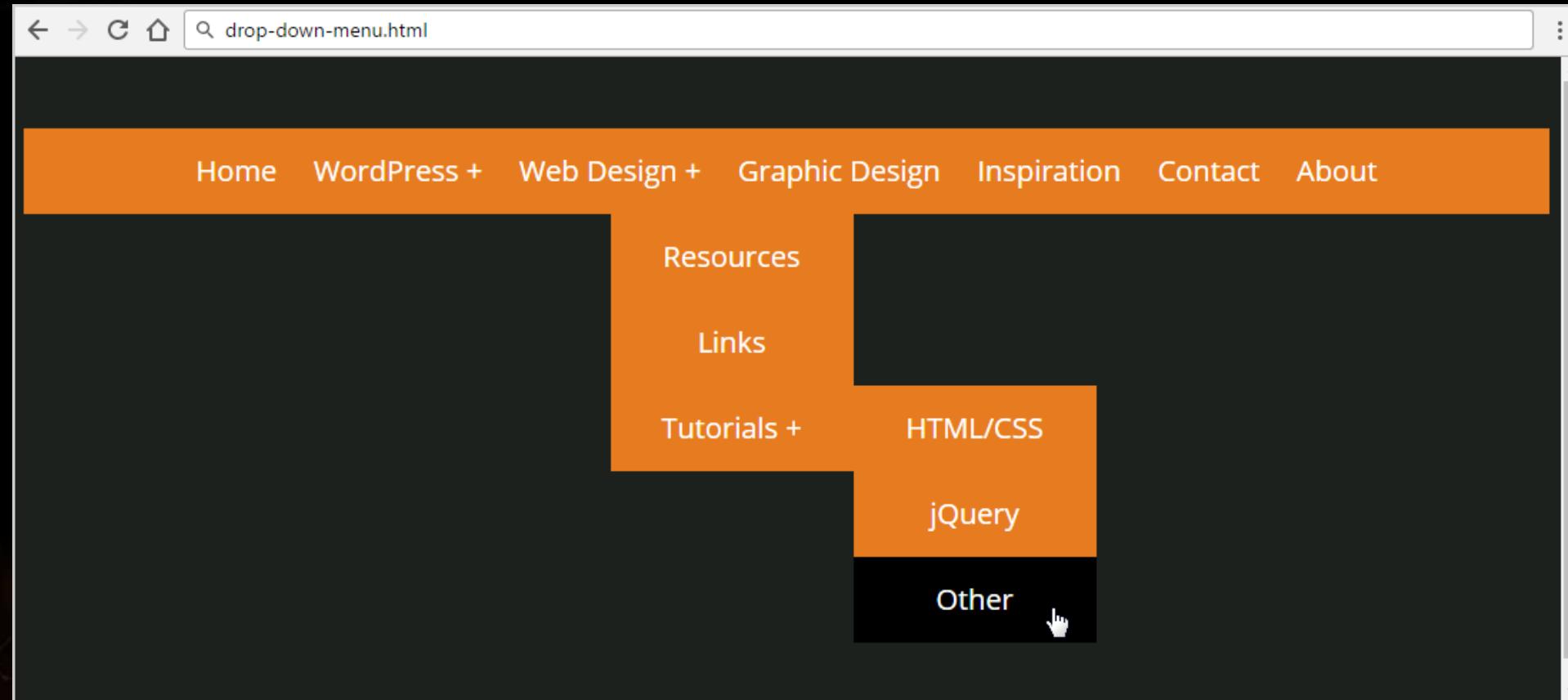
```
.fixed {  
    position: fixed;  
    top: 40px;  
    background: white;  
    width: 150px;  
    border: 3px solid #8b603d; }  
.div {  
    background: #CCCCCC;  
    opacity: 0.8;  
    width: 150px;  
    height: 50px;  
    border: 3px solid #0000FF;  
}
```



```
<div class="fixed">  
A fixed element is positioned...  
</div>  
<div class="div"></div>
```

Problem: Drop Down Menu

- Create a Web page (HTML + CSS) like at the screenshot:



Check your solution here: <https://judge.softuni.bg/Contests/406/>

Solution: Drop Down Menu (HTML)

```
<nav>
  <ul>
    <li><a href="#">Home</a></li>
    <!-- TODO: put the rest list item here-->
    <li><a href="#">Web Design</a>
      <ul>
        <!-- TODO: put the rest list item here-->
        <li><a href="#">Tutorials</a>
          <ul><!-- TODO: put the rest list item here--></ul>
        </li>
      </ul>
    </li><!-- TODO: put the rest list item here-->
  </ul>
</nav>
```

Solution: Drop Down Menu (CSS)

```
@import
url(http://fonts.googleapis.co
m/css?family=Open+Sans);
body {
  font-family: 'Open Sans',
  sans-serif;
  background: #1d211e;
  font-size: 22px;
  line-height: 22px;
  color: #ffffff;
  text-align: center; }
a {
  color: #ffffff; }
```

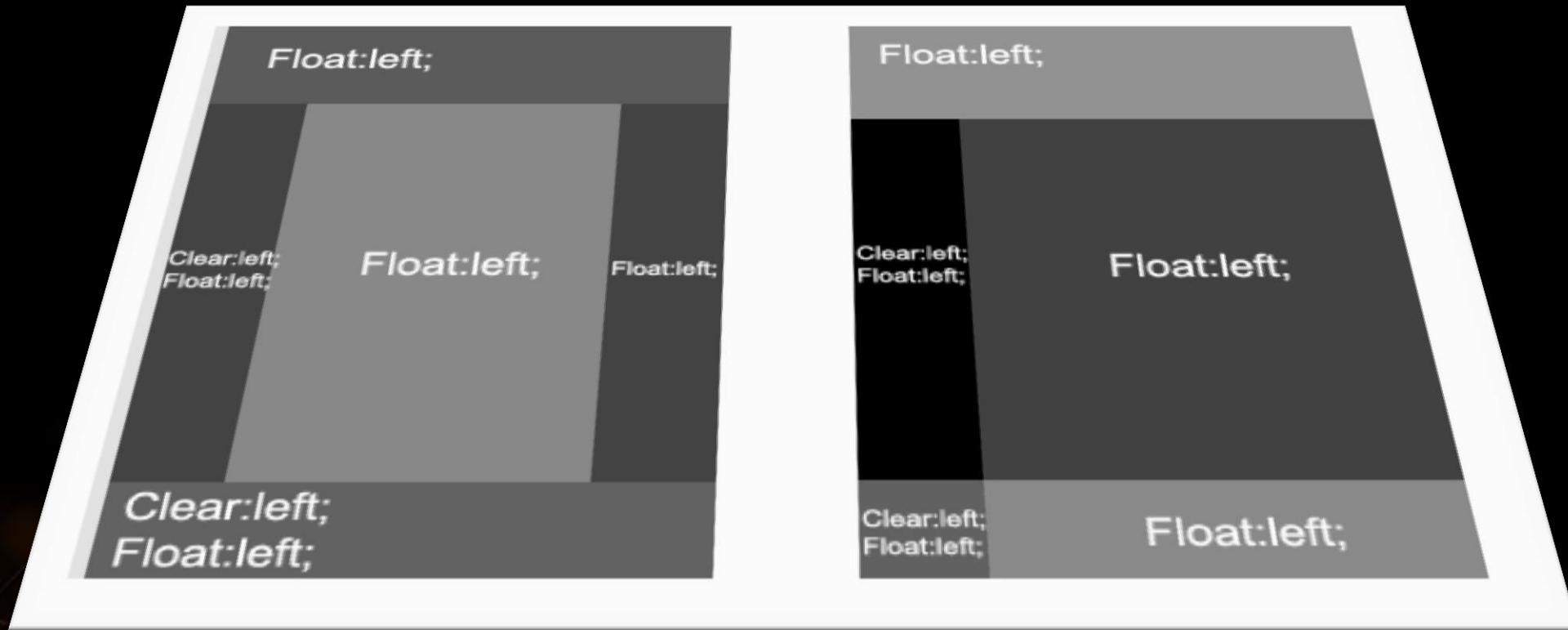
```
nav {
  margin: 50px 0;
  background-color: #e67c1f; }
nav ul {
  padding: 0;
  margin: 0;
  list-style: none;
  position: relative;
}
nav ul li {
  display: inline-block;
  background-color: #e67c1f;
}
```

Solution: Drop Down Menu (More CSS)

```
nav a {  
    display: block;  
    padding: 0 10px;  
    color: #FFF;  
    font-size: 20px;  
    line-height: 60px;  
    text-decoration: none; }  
  
nav a:hover {  
    background-color: #000000;  
}  
  
nav ul ul {  
    display: none;  
    position: absolute; }
```

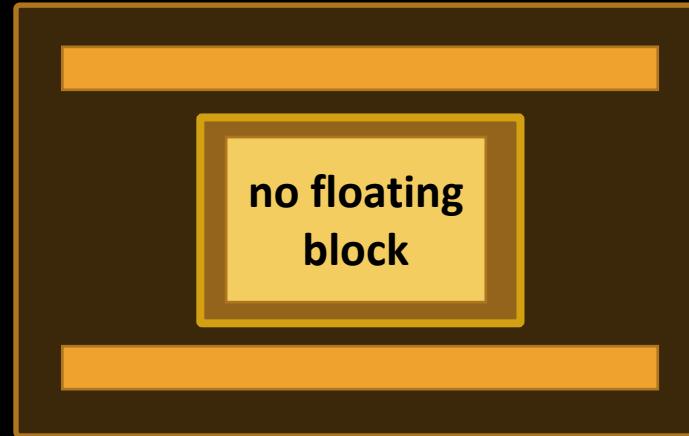
```
nav ul li:hover > ul {  
    display: inline-block; }  
  
nav ul ul li {  
    width: 170px;  
    position: relative;  
    display: block; }  
  
nav ul ul ul li {  
    position: relative;  
    top: -60px;  
    left: 85px; }  
  
li > a::after { content: '+'; }  
li > a:only-child::after {  
    content: ''; }
```

Floating Elements



Floating Elements

- HTML elements can **float** left and right



Some text around ...
`<div style="float:left">
 float:left
</div>`

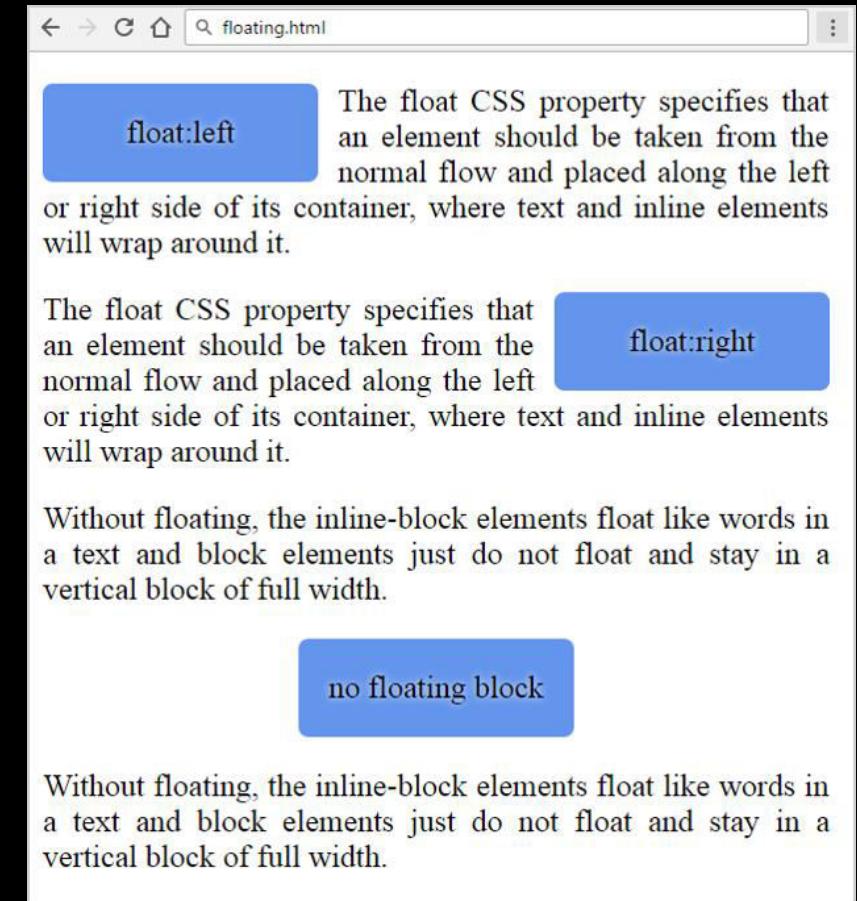
Some text before ...
`<div style="margin:0 auto">
 no floating block
</div>`

Some text around ...
`<div style="float:right">
 float:left
</div>`

Problem: Floating Elements (HTML)

- Create a Web page (HTML + CSS) like at the screenshot:

```
<main>
  <div class="left">left</div>
  <p>The float CSS property ...</p>
  <div class="right">right</div>
  <p>The float CSS property ...</p>
  <p>Without floating ...</p>
  <div class="center">no float</div>
  <p>Without floating ...</p>
</main>
```



float:left The float CSS property specifies that an element should be taken from the normal flow and placed along the left or right side of its container, where text and inline elements will wrap around it.

float:right The float CSS property specifies that an element should be taken from the normal flow and placed along the left or right side of its container, where text and inline elements will wrap around it.

no floating block Without floating, the inline-block elements float like words in a text and block elements just do not float and stay in a vertical block of full width.

Check your solution here: <https://judge.softuni.bg/Contests/406/>

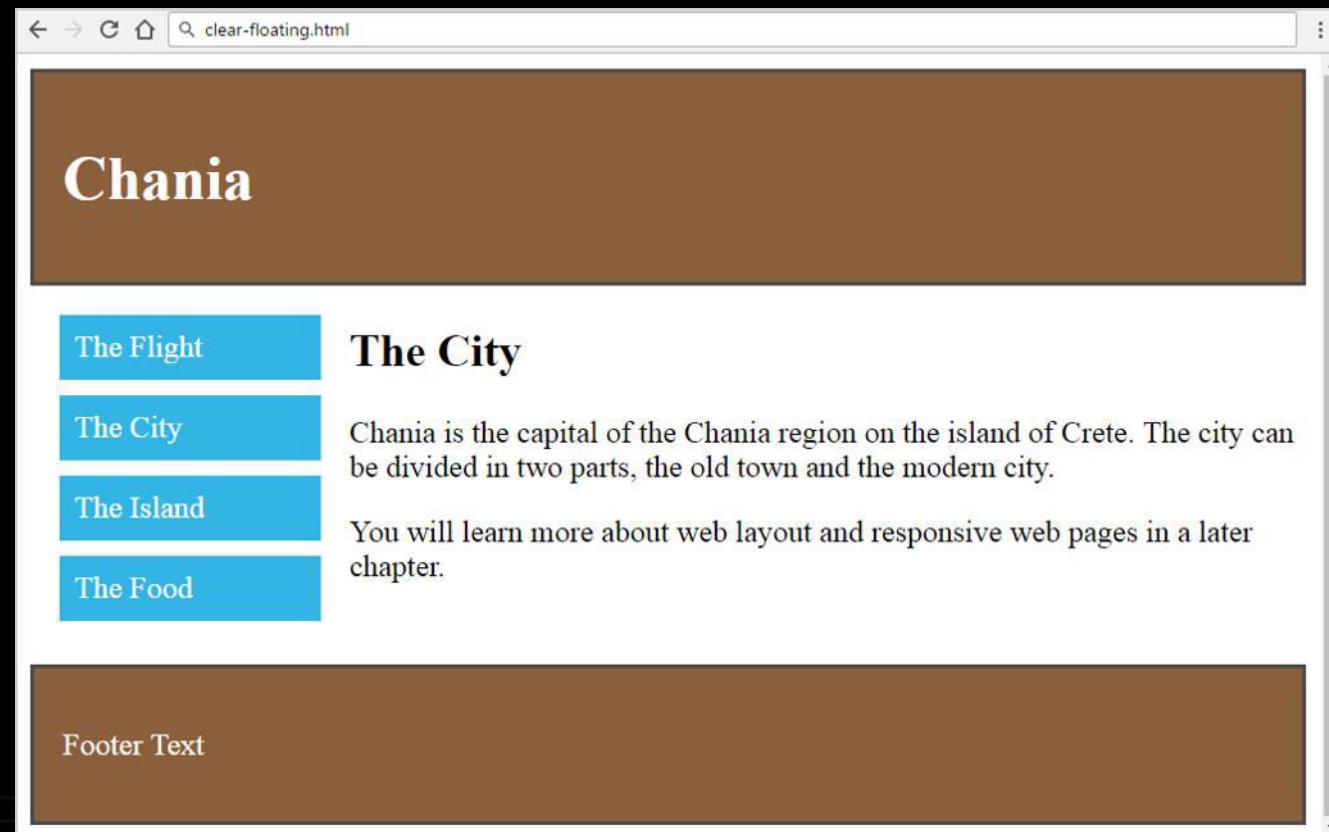
Solution: Floating Elements (CSS)

```
main { width: 400px;  
       text-align: justify; }  
.left, .right, .center {  
    width: 120px; height: 30px;  
    line-height: 30px;  
    text-align: center;  
    padding: 10px;  
    background: CornflowerBlue;  
    border-radius: 5px;  
    text-shadow: 0px 0px 5px  
white; }
```

```
.left {  
    float: left;  
    margin-right: 10px;  
}  
  
.right {  
    float: right;  
    margin-left: 10px;  
}  
  
.center {  
    margin: 0 auto;  
}
```

Problem: Clear Floating

- You are given the HTML for this page. Write the missing CSS. Use left floating, right floating and clearing



Solution: Clear Floating (HTML)

```
<header>
  <h1>Chania</h1>
</header>
<main class="clearfix">
  <aside class="float-left menu">
    <ul>
      <li>The Flight</li>
      <li>The City</li>
      <li>The Island</li>
      <li>The Food</li>
    </ul>
  </aside>
```



Check your solution here: <https://judge.softuni.bg/Contests/406/>

Solution: Clear Floating (HTML)

```
<article class="float-right content">
  <h2>The City</h2>
  <p>Chania is the capital of the Chania...</p>
  <p>You will learn more about web layout...</p>
</article>
</main>
<footer>
  <p>Footer Text</p>
</footer>
```



Solution: Clear Floating (CSS)

```
* { box-sizing: border-box; }
header, footer {
background: #8b603d;
color: white;
padding: 15px;
border: 2px solid #4B4B4B; }
.menu { width: 25%; }
.float-left {
float: left;
padding: 15px; }
.float-right { float: right; }
.content { width: 75%; }
```

```
.menu ul {
list-style-type: none;
margin: 0;
padding: 0; }
.menu li {
padding: 8px;
margin-bottom: 8px;
background: #33b5e5;
color: #ffffff; }
.clearfix::after {
content: "";
display: block;
clear: both; height: 0; }
```

Summary

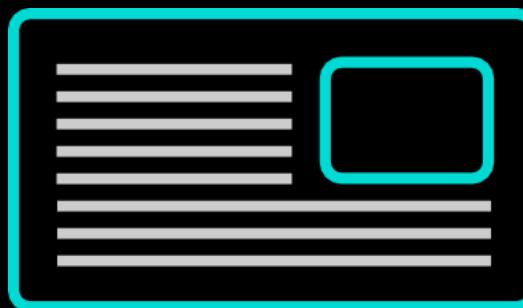
▪ Margins and Paddings

```
Margin: 5px 0;  
Padding: 3px 5px 8px 10px;
```



▪ CSS Positioning

```
position: relative;  
position: fixed;  
position: absolute; ...
```



▪ Float and Clear

```
.left { float: left; }
```



```
.clearfix{ clear: left; }
```

Web Fundamentals – CSS Positioning



Questions?



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The logo for INFRAGISTICS, featuring a blue square icon with a white geometric pattern followed by the word "INFRAGISTICS" in a bold sans-serif font, with "DESIGN / DEVELOP / EXPERIENCE" in smaller text below.

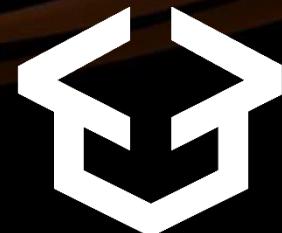
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