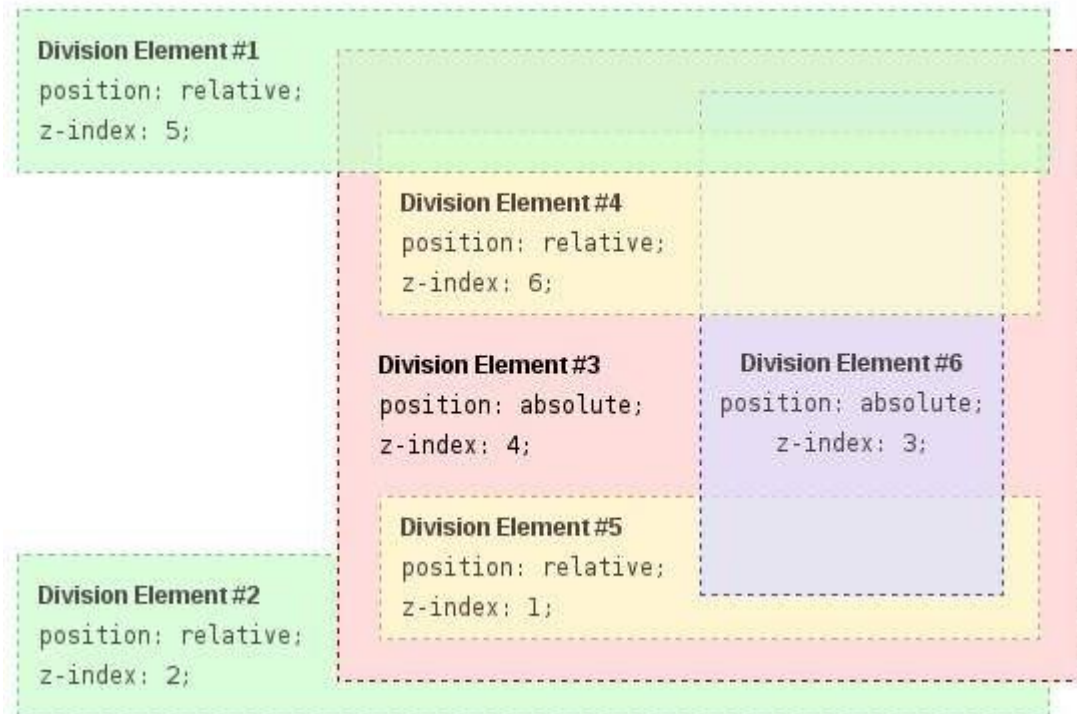


Chapter 48: Stacking Context

Section 48.1: Stacking Context

In this example every positioned element creates its own stacking context, because of their positioning and z-index values. The hierarchy of stacking contexts is organized as follows:



- Root
 - DIV #1
 - DIV #2
 - DIV #3
 - DIV #4
 - DIV #5
 - DIV #6

It is important to note that DIV #4, DIV #5 and DIV #6 are children of DIV #3, so stacking of those elements is completely resolved within DIV #3. Once stacking and rendering within DIV #3 is completed, the whole DIV #3 element is passed for stacking in the root element with respect to its sibling's DIV.

HTML:

```
<div id="div1">  
  <h1>Division Element #1</h1>  
  <code>position: relative;<br/> z-  
  index: 5;</code>  
</div>  
<div id="div2">  
  <h1>Division Element #2</h1>  
  <code>position: relative;<br/> z-  
  index: 2;</code>  
</div>  
<div id="div3">  
  <div id="div4">
```

```

<h1>Division Element #4</h1>
<code>position: relative;<br/> z-
index: 6;</code>
</div>
<h1>Division Element #3</h1>
<code>position: absolute;<br/> z-
index: 4;</code>
<div id="div5">
  <h1>Division Element #5</h1>
  <code>position: relative;<br/> z-
index: 1;</code>
</div>
<div id="div6">
  <h1>Division Element #6</h1>
  <code>position: absolute;<br/> z-
index: 3;</code>
</div>
</div>

```

CSS:

```

* {
  margin: 0;
}
html {
  padding: 20px;
  font: 12px/20px Arial, sans-serif;
}
div {
  opacity: 0.7;
  position: relative;
}
h1 {
  font: inherit;
  font-weight: bold;
}
#div1,
#div2 {
  border: 1px dashed #696;
  padding: 10px;
  background-color: #cfc;
}
#div1 {
  z-index: 5;
  margin-bottom: 190px;
}
#div2 {
  z-index: 2;
}
#div3 {
  z-index: 4;
  opacity: 1; position:
  absolute; top: 40px;
  left: 180px;
  width: 330px;
  border: 1px dashed #900;
  background-color: #fdd;
  padding: 40px 20px 20px;
}
#div4,

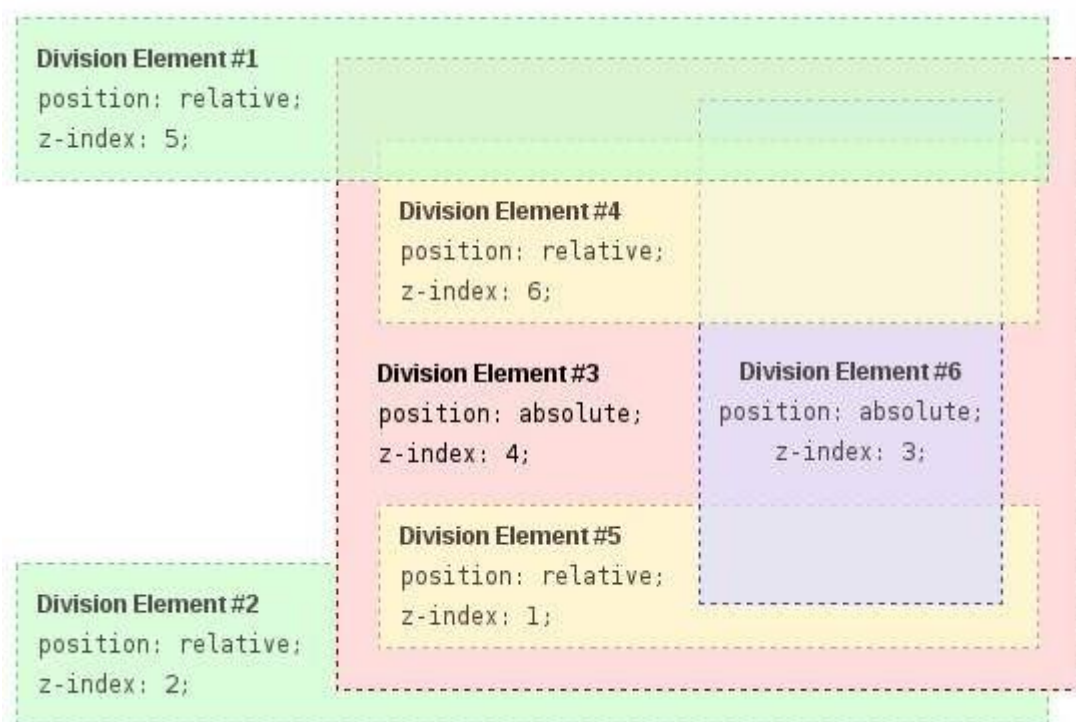
```

```

#div5 {
  border: 1px dashed #996;
  background-color: #ffc;
}
#div4 {
  z-index: 6;
  margin-bottom: 15px;
  padding: 25px 10px 5px;
}
#div5 {
  z-index: 1;
  margin-top: 15px;
  padding: 5px 10px;
}
#div6 {
  z-index: 3;
  position: absolute;
  top: 20px;
  left: 180px;
  width: 150px;
  height: 125px;
  border: 1px dashed #009;
  padding-top: 125px;
  background-color: #ddf;
  text-align: center;
}

```

Result:



Source:

https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Positioning/Understanding_z_index/The_stacking_context.