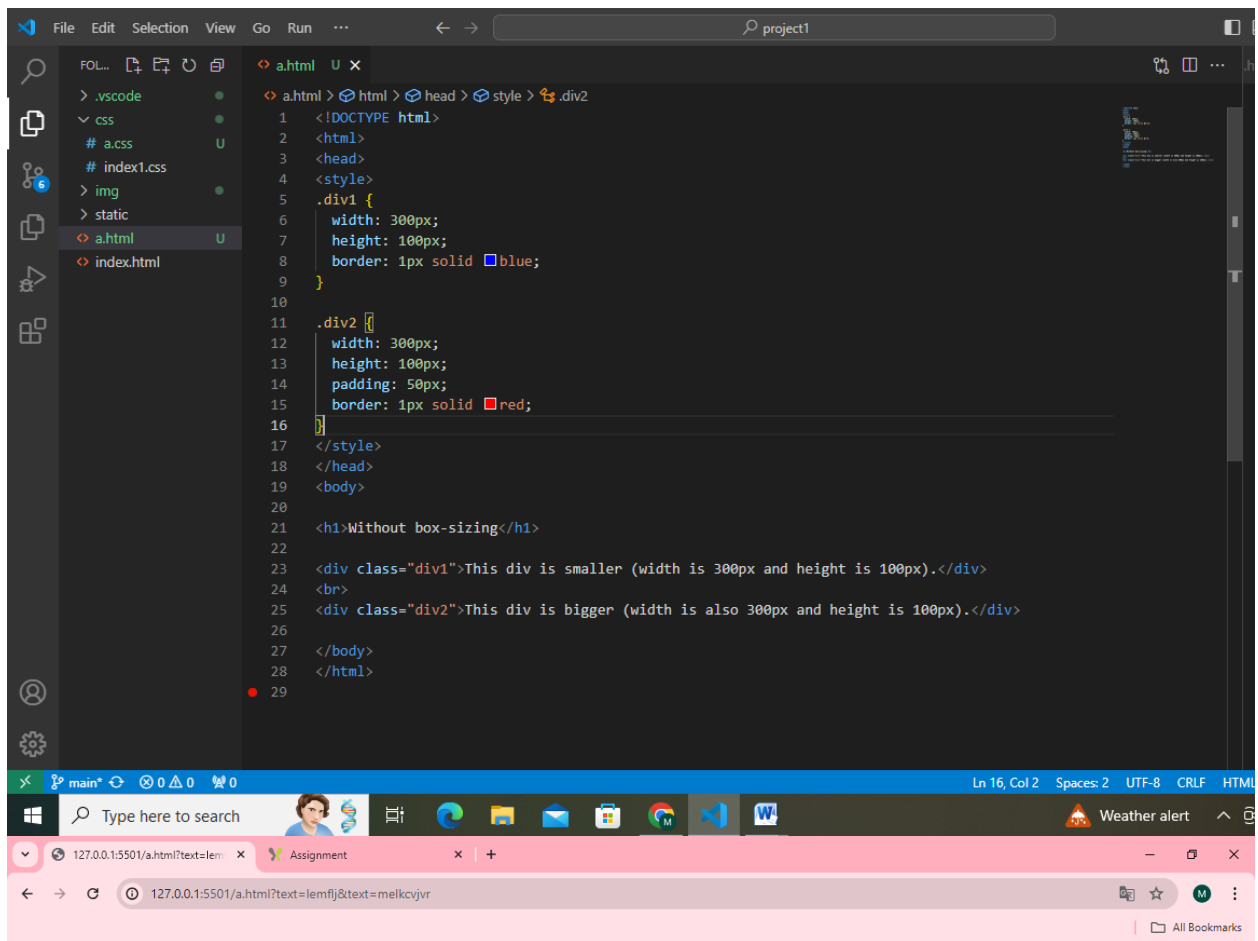# Margin and padding difference

Margin is the space outside of a page element. Padding defines the space surrounding content within a web element. Margin controls the distance between separate elements on the page. Padding sets the distance between the content and the borders of its containing element.

Box sizing layout

The box-sizing property allows us to include the padding and border in an element's total width and height. If you set box-sizing: border-box; on an element, padding and border are included in the width and height: Both divs are the same size now! Hooray!

```html
<!DOCTYPE html>
<html>
<head>
<style>
.div1 {
  width: 300px;
  height: 100px;
  border: 1px solid blue;
}

.div2 {
  width: 300px;
  height: 100px;
  padding: 50px;
  border: 1px solid red;
}
</style>
</head>
<body>

<h1>Without box-sizing</h1>

<div class="div1">This div is smaller (width is 300px and height is 100px).</div>
<br>
<div class="div2">This div is bigger (width is also 300px and height is 100px).</div>

</body>
</html>
```


Without box-sizing

This div is smaller (width is 300px and height is 100px).

This div is bigger (width is also 300px and height is 100px).