



## Day 22

# “Web Development + Security”

## CSS Position Property:

### What is the position Property?

The position property defines how an element is placed on a webpage — whether it follows the normal document flow or is positioned manually using top, left, right, and bottom.

### Syntax:

position: static | relative | absolute | fixed | sticky;

### Types of positioning:

Type	Description	Moves with Page Scroll?	Can Use top / left / right / bottom?
static	Default, normal flow	Yes	No
relative	Moves relative to its normal position	Yes	Yes
absolute	Moves relative to nearest positioned ancestor	No	Yes
fixed	Fixed to viewport (screen)	No	Yes
sticky	Acts relative until a scroll threshold, then becomes fixed	Partial	Yes

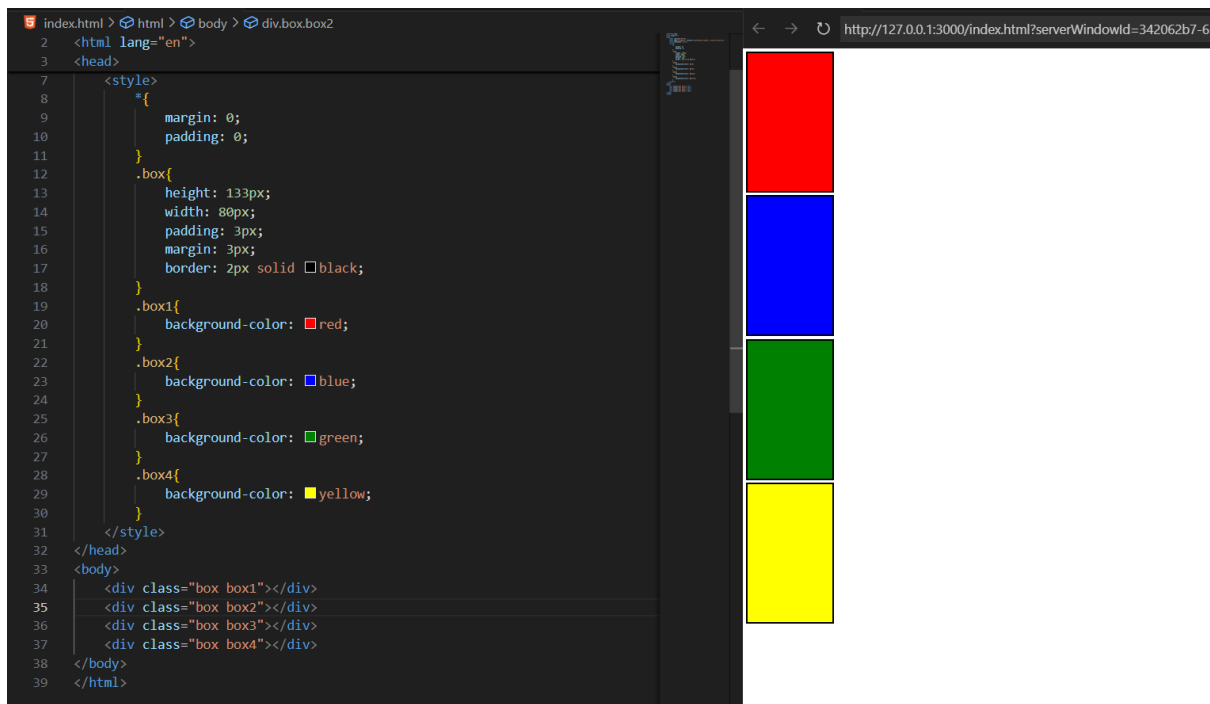
Example: a basic code, where we have four <div> and no CSS:

```

index.html > html > head > style
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Document</title>
7    <style>
8    </style>
9  </head>
10 <body>
11   <div class="box box1"></div>
12   <div class="box box"></div>
13   <div class="box box3"></div>
14   <div class="box box4"></div>
15 </body>
16 </html>

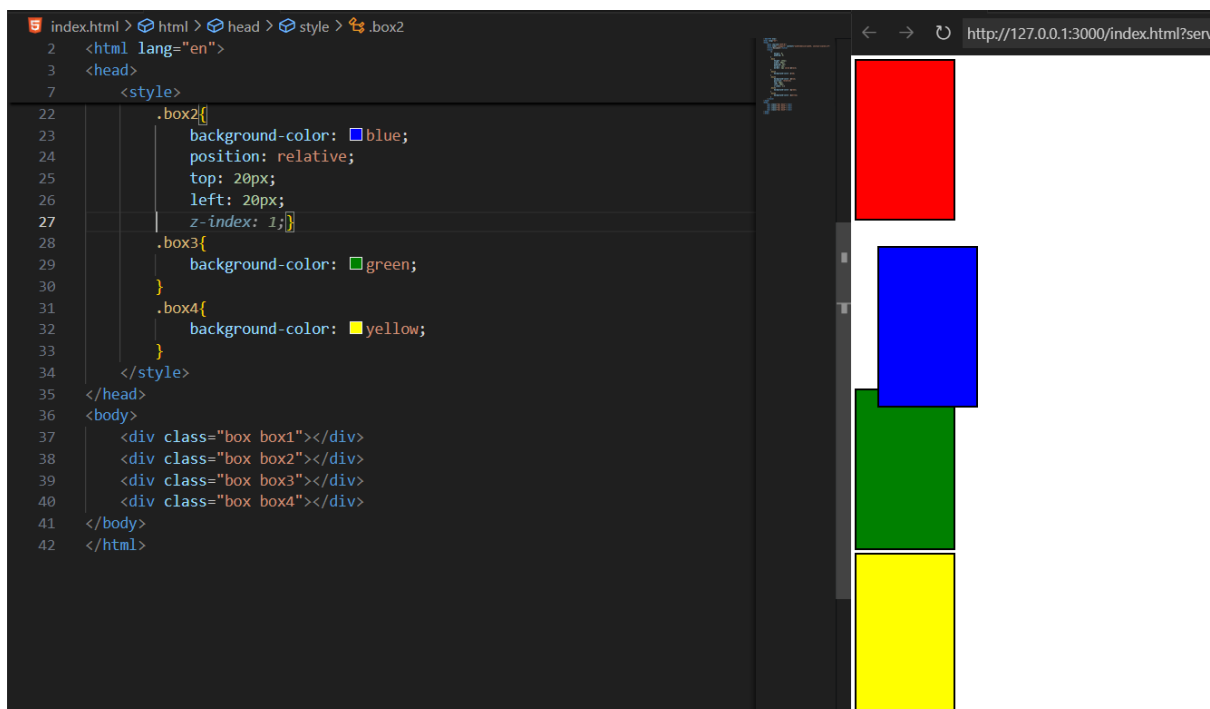
```

Now, we will give CSS to all of these <div>:



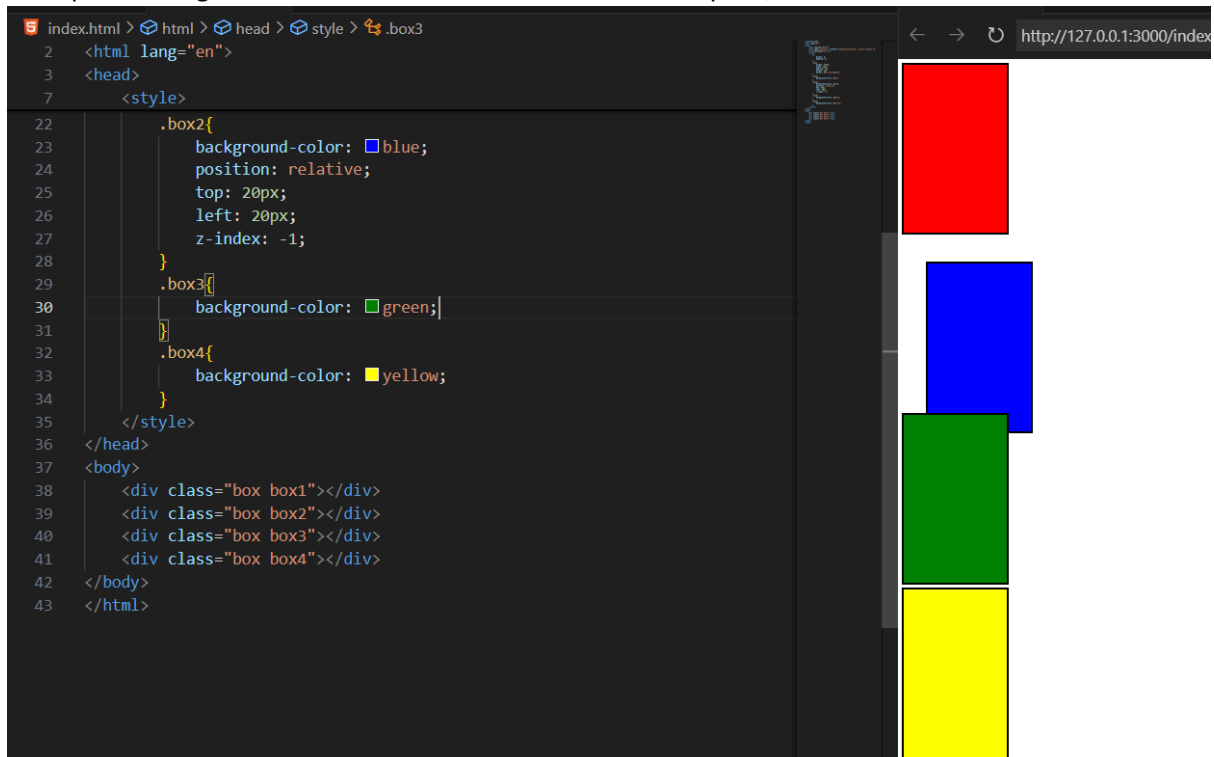
So, by default the position of them be static.

Example: showing the use of `position: relative`, say we are targeting `box2`:

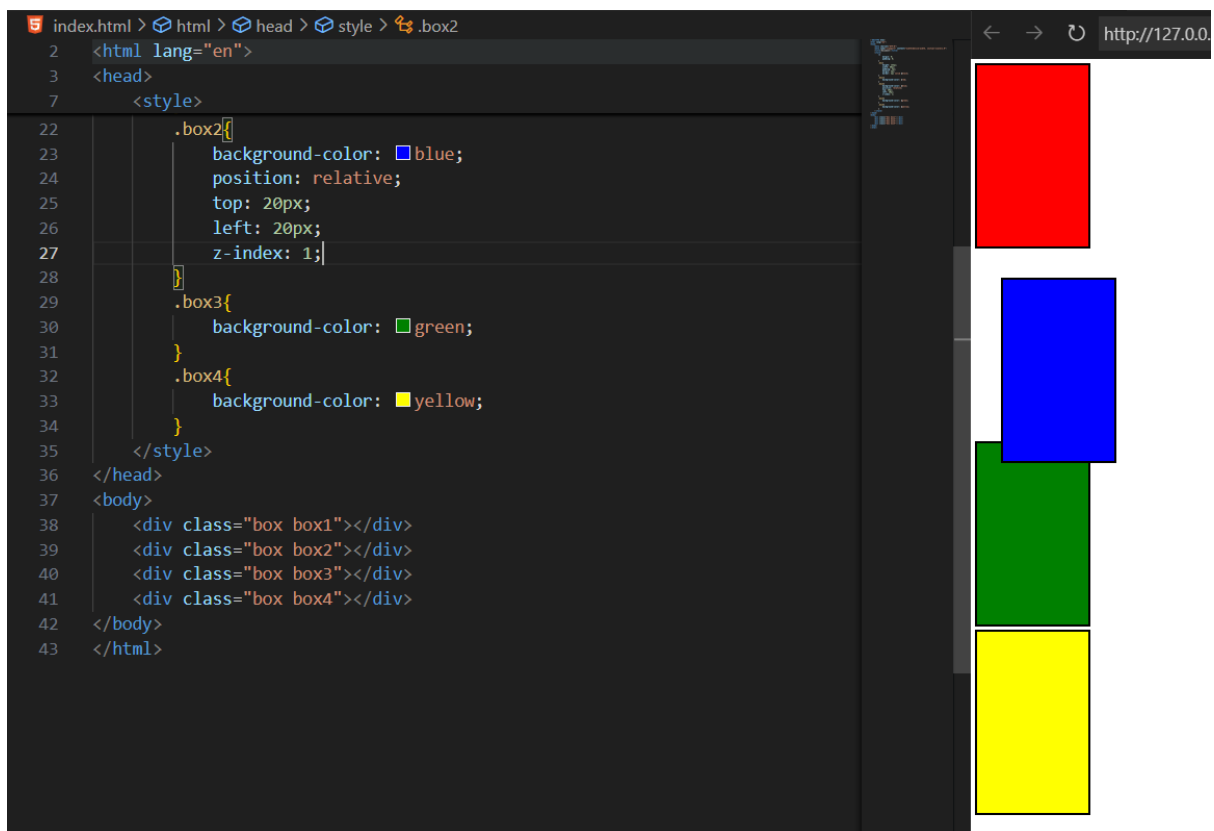


Clearly, we are allowed to change the position of that <div> from all the ends.

Example: adding the z-index to the element, -1 means not prior,

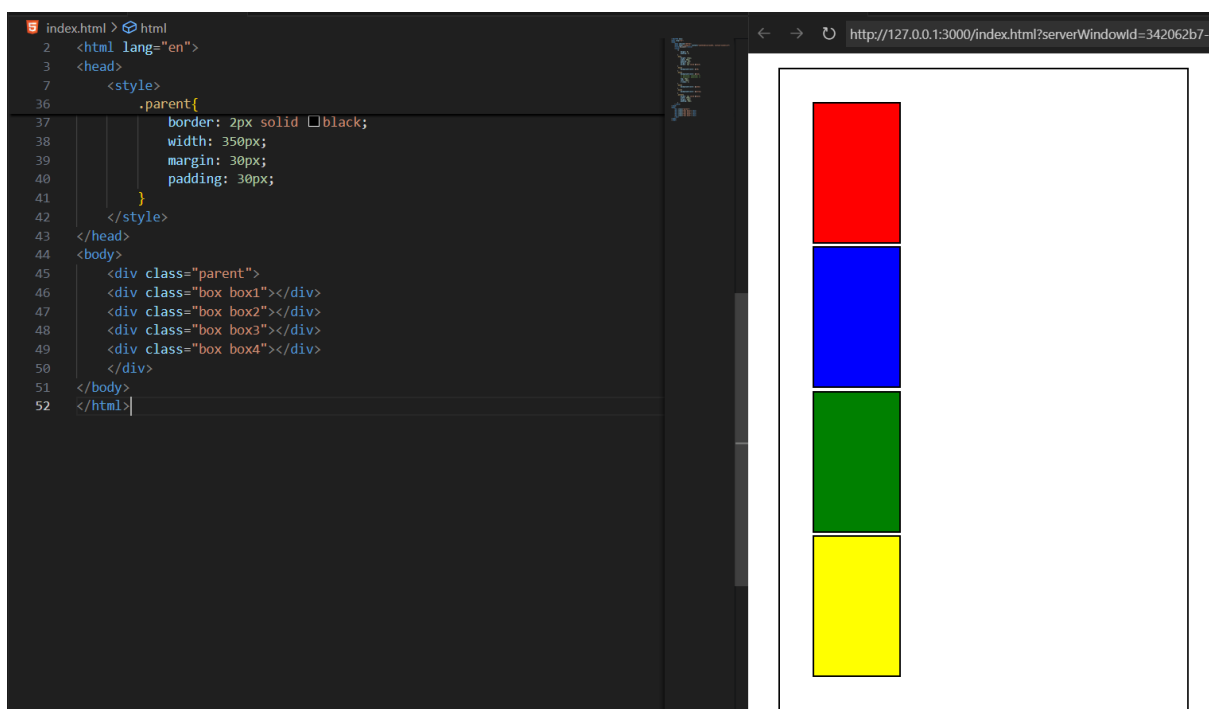
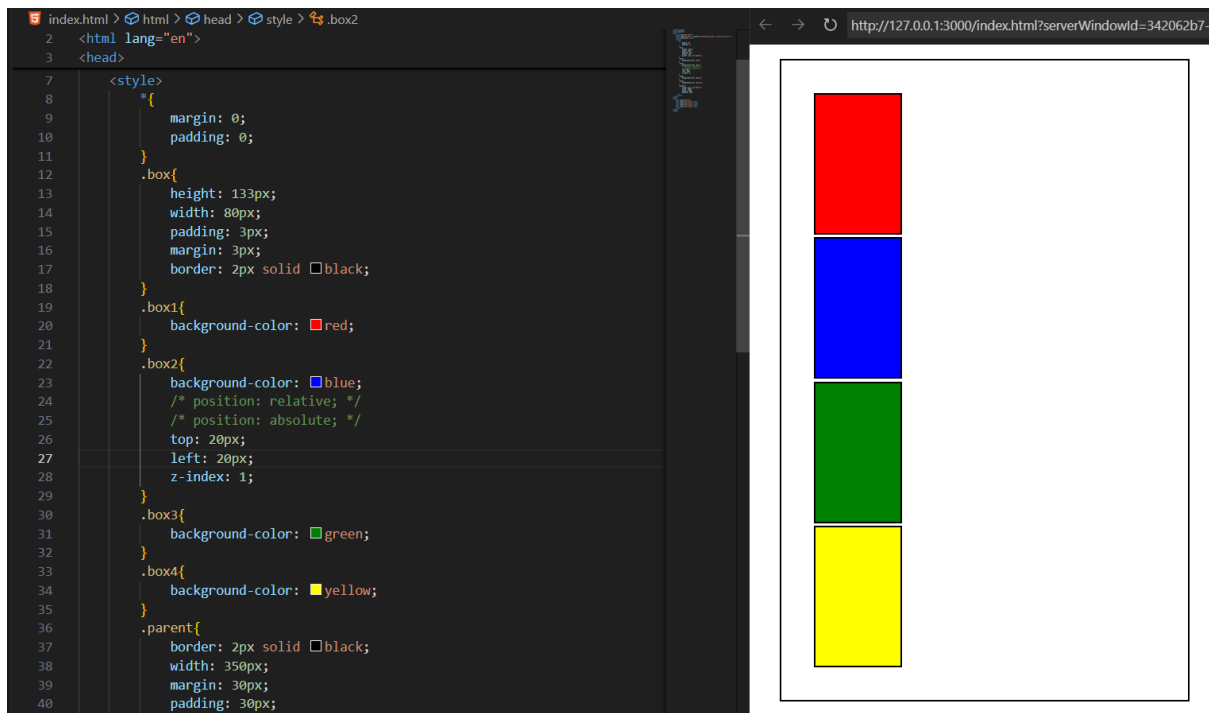


Another example of z-index:

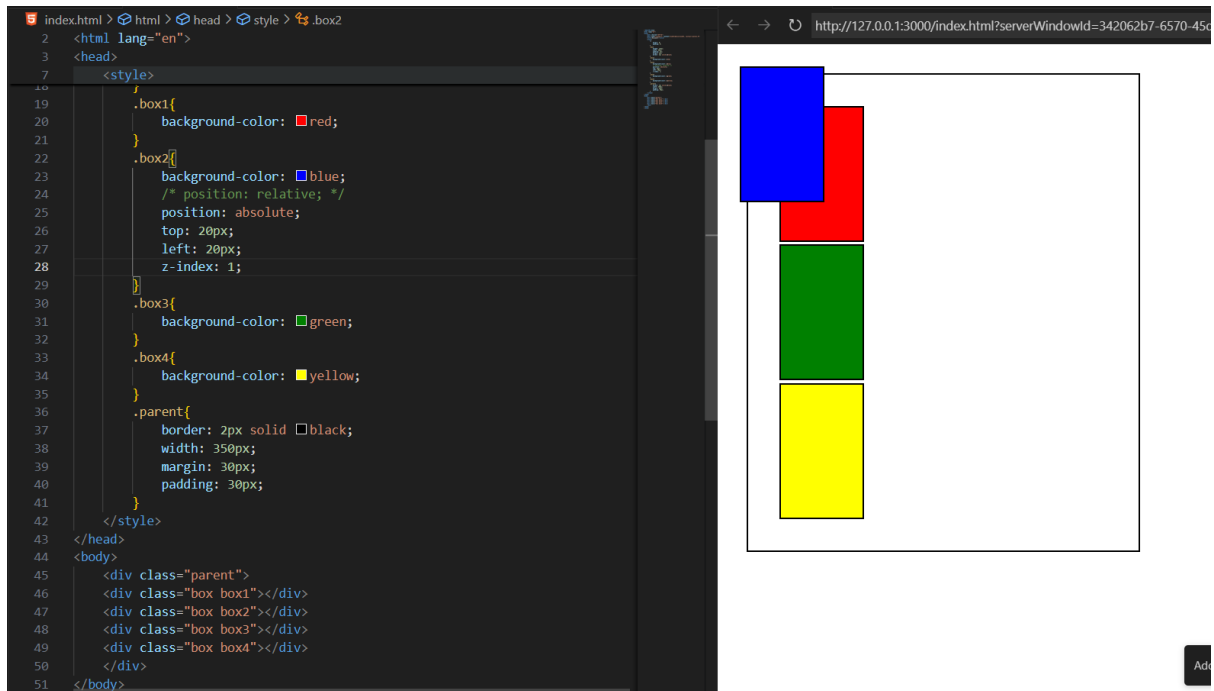


Example: when we write `position: absolute`, then we will see that it will look for positioning itself as per the Moves relative to nearest positioned ancestor.

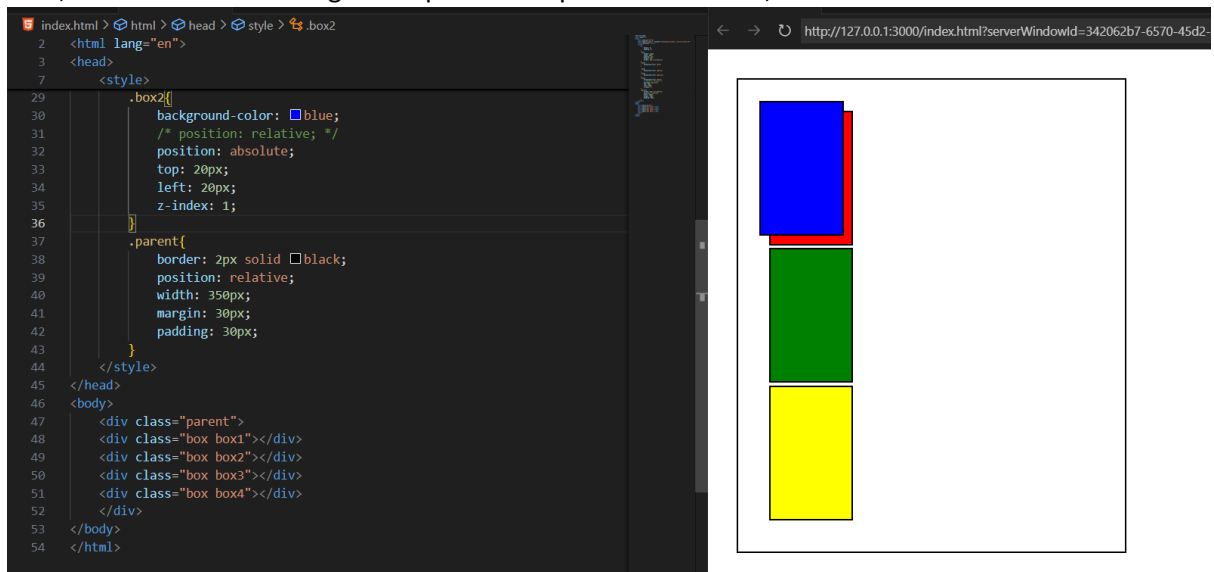
For now, see that there is no defined position from us: so everything is inside the parent div



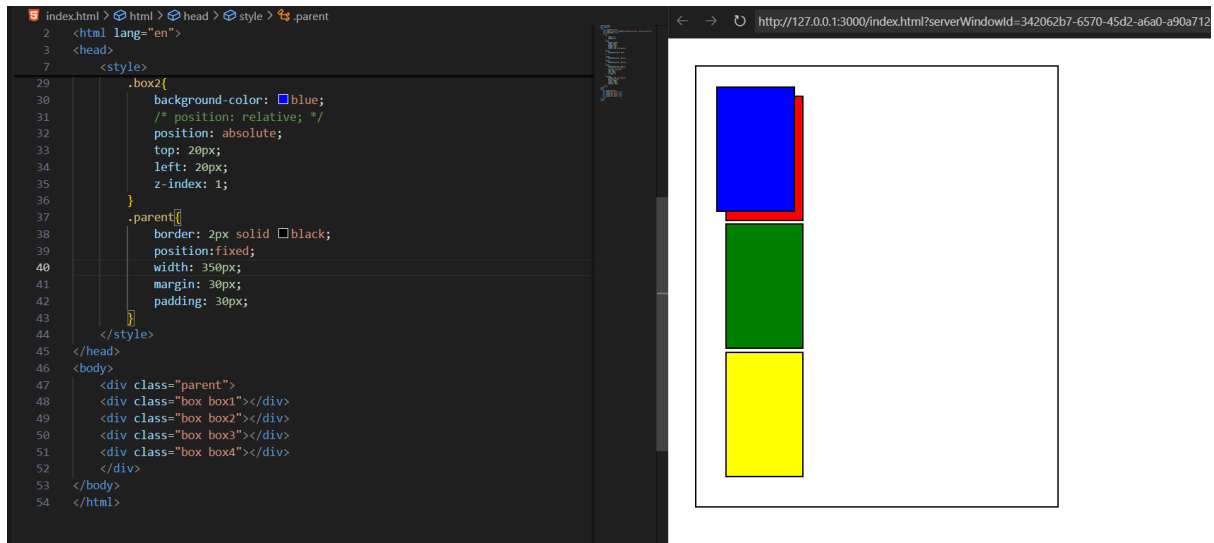
Now, the moment we will say that .box2 to have the position: absolute, the moment it will look for the nearest, but since .parent is also static, so it will go to the default page



Now, the moment we changed the position of parent to relative, the box



## Example: position:fixed



--The End--