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NW Evening Study

Web Programing LAB

Discussion 6

1-What are the differences between the opacity property and alpha channel in rgba or hsla?

SOL/

Both the opacity property and alpha channel in rgba or hsla can control the transparency of an element. However, there are some key differences between the two.

(A) Syntax and Parameters

(B) Inheritance

(C) Applicability

In conclusion, while both the opacity property and alpha channel can be used to control transparency, their differences in syntax, inheritance, and applicability make them suitable for different scenarios. The choice between using opacity or alpha channel depends on the specific requirements of your project.

2-What is the most effective method for setting CSS color properties?

SOL/

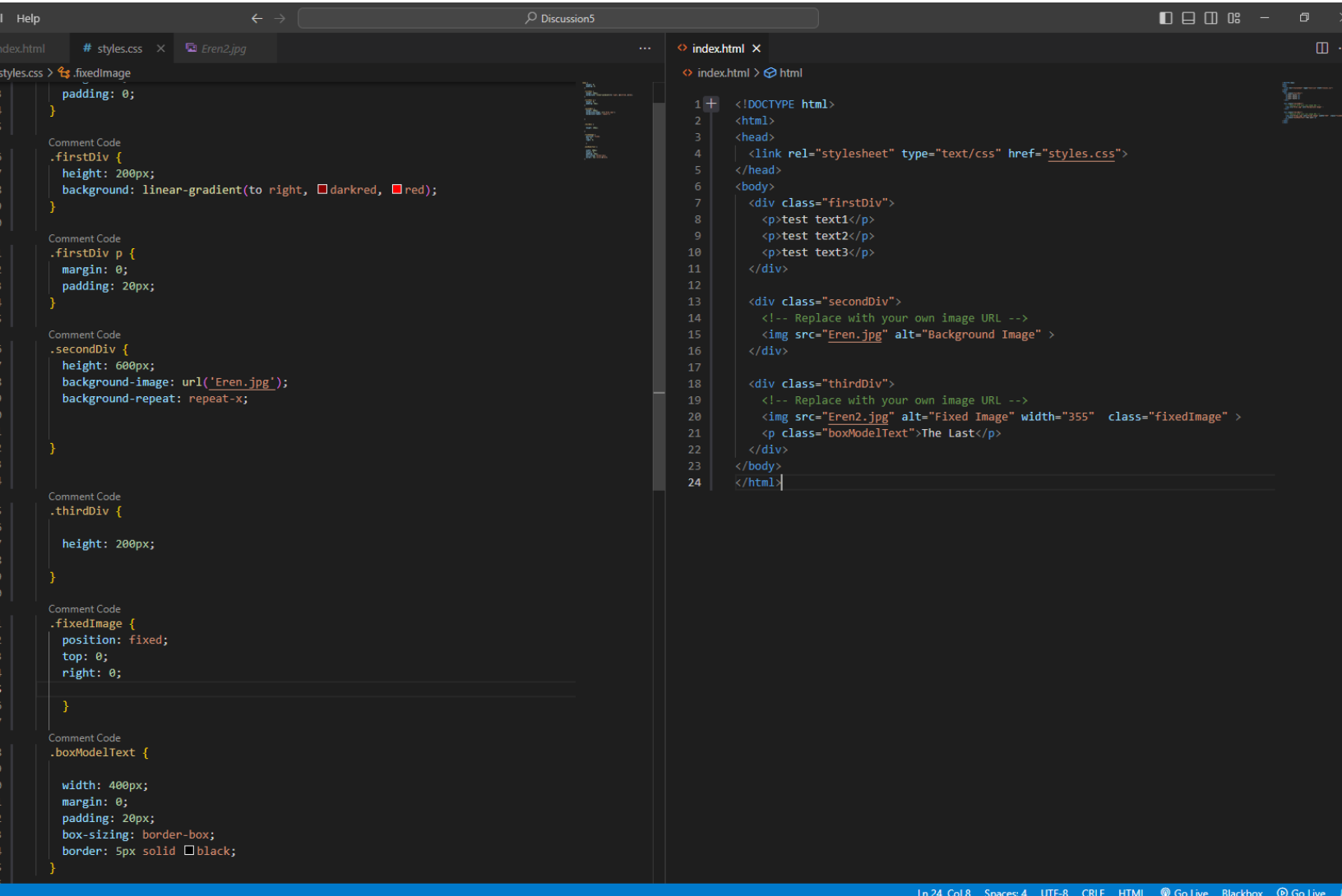
CSS color properties are often set using hexadecimal (HEX) notation, which can include a transparency value (alpha channel).

However, it's worth noting that this approach relies on using RGB values to specify colors. If you want to specify colors using HSL (Hue, Saturation, Lightness) or HWB (Hue, Whiteness, Blackness) values, you'll need to use different color functions in CSS, such as `hsla()` or `hwb()`.

Ultimately, the effectiveness of this method depends on your specific needs and constraints.

3-Create 3 divisions in a web page.

- Make the first div has 3 paragraphs and each paragraph has a background with red color
(Create a transition from darker red to a lighter).
- Make the second div has an image background with horizontally repeated.
- Add in the third div an image on the (right top) and make it fixed.
- Add Box model on a text in the third div, that has Total element width equal 400px



The screenshot shows a code editor with two files: `styles.css` and `index.html`.

styles.css

```
padding: 0;
}

Comment Code
.firstDiv {
  height: 200px;
  background: linear-gradient(to right, darkred, red);
}

Comment Code
.firstDiv p {
  margin: 0;
  padding: 20px;
}

Comment Code
.secondDiv {
  height: 600px;
  background-image: url('Eren.jpg');
  background-repeat: repeat-x;
}

Comment Code
.thirdDiv {
  height: 200px;
}

Comment Code
.fixedImage {
  position: fixed;
  top: 0;
  right: 0;
}

Comment Code
.boxModelText {
  width: 400px;
  margin: 0;
  padding: 20px;
  box-sizing: border-box;
  border: 5px solid black;
}
```

index.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <link rel="stylesheet" type="text/css" href="styles.css">
5 </head>
6 <body>
7   <div class="firstDiv">
8     <p>test text1</p>
9     <p>test text2</p>
10    <p>test text3</p>
11  </div>
12
13  <div class="secondDiv">
14    <!-- Replace with your own image URL -->
15    
16  </div>
17
18  <div class="thirdDiv">
19    <!-- Replace with your own image URL -->
20    
21    <p class="boxModelText">The Last</p>
22  </div>
23 </body>
24 </html>
```

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