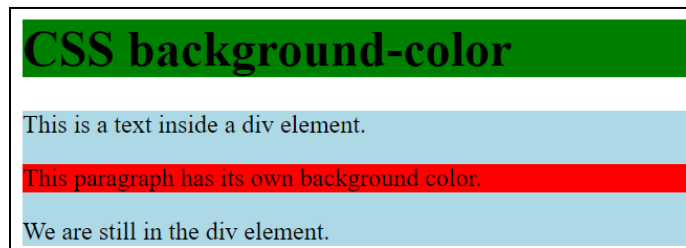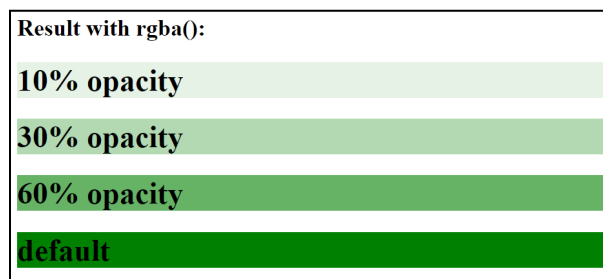# CSS Background - Practice code

Problem Statement 1: Background Color

Create a simple HTML page with heading and paragraphs, wrap the paragraphs with a div element. Apply different background colors to the heading and div element using the element selector and apply background color to any one paragraph inside the div element using the class or id selector.

Problem Statement 2: Transparency using RGBA

Set the opacity for background color using RGBA, where A specifies the opacity for color. The alpha parameter is between 0.0 (fully transparent) and 1.0 (fully opaque). Apply styles by combining the element and class selector.(Example: ***div.class_name*** → you will learn about this detailly in the upcoming classes)
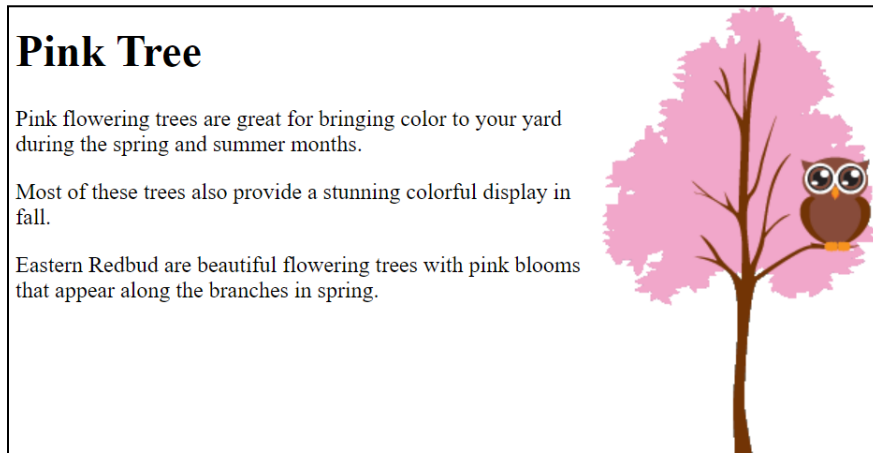

Problem Statement 3: Background Image

Create a simple HTML page and apply the background image to the whole <body> of the HTML page. Modify the text color depending on background image color.

Problem Statement 4: Background Image Position

Create a simple HTML page with text and image, and specify the position to the background image and make sure the image is displayed only one(no repeat).

Solution:

Problem statement 1:

```
<!DOCTYPE html>
<html>
<head>
<style>
h1 {
  background-color: green;
}

div {
  background-color: lightblue;
}

.para1 {
  background-color: red;
}
</style>
</head>
<body>

<h1>CSS background-color</h1>
<div>
<p>This is a text inside a div element.</p>
<p class='para1'>This paragraph has its own background color.</p>
<p>We are still in the div element.</p>
</div>

</body>
</html>
```

Problem statement 2:

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
  background: rgb(0, 128, 0);
}

div.first {
  background: rgba(0, 128, 0, 0.1);
}

div.second {
  background: rgba(0, 128, 0, 0.3);
}

div.third {
  background: rgba(0, 128, 0, 0.6);
}
</style>
</head>
<body>
<h2>Result with rgba():</h2>

<div class="first">
  <h1>10% opacity</h1>
</div>

<div class="second">
  <h1>30% opacity</h1>
</div>

<div class="third">
  <h1>60% opacity</h1>
</div>

<div>
  <h1>default</h1>
</div>

</body>
</html>
```

Problem statement 3:

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
  background-image: url("bgdesert.jpg");
  color: white;
}

</style>
</head>
<body>

<h1>Hello World!</h1>
<p>Paragraph</p>

</body>
</html>
```

Problem statement 4:

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
  background-image: url("img_tree.png");
  background-repeat: no-repeat;
  background-position: right top;
  margin-right: 200px;
}
</style>
</head>
<body>

<h1>Pink Tree</h1>
<p>Pink flowering trees are great for bringing color to your yard during the
spring and summer months.</p>
<p>Most of these trees also provide a stunning colorful display in fall.</p>
<p>Eastern Redbud are beautiful flowering trees with pink blooms that appear
along the branches in spring.</p>
</body>
</html>
```