

Color and Backgrounds, Flexbox, and Grid:

10. Color and Backgrounds:

Example Code:

```
```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Color and Backgrounds Example</title>
 <style>
 body {
 background-color: #f0f0f0; /* Set background color */
 color: #333; /* Set text color */
 }

 .container {
 background-color: #fff; /* Set background color for a container */
 padding: 20px;
 border-radius: 10px; /* Add rounded corners to the container */
 box-shadow: 0 0 10px rgba(0, 0, 0, 0.1); /* Add a subtle box shadow */
 }
 </style>
</head>
<body>

 <div class="container">
 <h1>This is a container with a background color</h1>
 <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit...</p>
 </div>

</body>
</html>
```
```

This HTML document sets the background color for the entire page and a specific container. It also demonstrates setting the text color, adding rounded corners, and applying a subtle box shadow.

11. Flexbox:

Example Code:

```

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Flexbox Example</title>
 <style>
 .container {
 display: flex; /* Enable flexbox on the container */
 justify-content: space-between; /* Distribute items with space between them */
 }

 .item {
 width: 100px;
 height: 100px;
 background-color: #3498db;
 margin: 10px;
 }
 </style>
</head>
<body>

 <div class="container">
 <div class="item">1</div>
 <div class="item">2</div>
 <div class="item">3</div>
 </div>

</body>
</html>
```

```

This example uses flexbox to create a container with three items. The `justify-content: space-between;` property evenly distributes the items with space between them.

12. Grid:

Example Code:

```

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">

```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Grid Example</title>
<style>
 .container {
 display: grid; /* Enable grid on the container */
 grid-template-columns: repeat(3, 1fr); /* Create three equal-width columns */
 gap: 10px; /* Add a 10px gap between grid items */
 }

 .item {
 background-color: #2ecc71;
 padding: 20px;
 text-align: center;
 }
</style>
</head>
<body>

 <div class="container">
 <div class="item">1</div>
 <div class="item">2</div>
 <div class="item">3</div>
 <div class="item">4</div>
 <div class="item">5</div>
 <div class="item">6</div>
 </div>

</body>
</html>
...

```

This example uses CSS Grid to create a container with six items arranged in three columns. The `grid-template-columns` property sets equal-width columns, and `gap` adds spacing between the items.