

CSS:

Below are two code examples covering CSS selectors, the box model, and layouts.

Example 1: CSS Selectors

```
```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>CSS Selectors Example</title>
 <style>
 /* Selecting elements by tag name */
 h1 {
 color: blue;
 }

 /* Selecting elements by class */
 .highlight {
 background-color: yellow;
 }

 /* Selecting elements by ID */
 #special {
 font-weight: bold;
 }

 /* Selecting nested elements */
 div p {
 font-style: italic;
 }
 </style>
</head>
<body>
 <h1>This is a Heading</h1>
 <p class="highlight">This paragraph has a highlight class.</p>
 <p>This is a normal paragraph.</p>
 <div>
 <p>This paragraph is nested inside a div.</p>
 </div>
 <p id="special">This paragraph has a special ID.</p>
</body>
```
```

```
</html>
...
```

This example demonstrates the use of various CSS selectors to style different elements on a webpage.

Example 2: Box Model and Layouts

```
```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Box Model and Layouts Example</title>
 <style>
 /* Box Model */
 .box {
 width: 200px;
 height: 150px;
 padding: 20px;
 border: 2px solid #333;
 margin: 20px;
 }

 /* Layouts */
 .container {
 width: 800px;
 margin: 0 auto;
 }

 .sidebar {
 float: left;
 width: 200px;
 background-color: #f0f0f0;
 padding: 20px;
 }

 .main-content {
 margin-left: 220px;
 padding: 20px;
 }
 </style>
</head>
```

```
<body>
 <div class="container">
 <div class="sidebar">
 <h2>Sidebar</h2>
 <p>This is the sidebar content.</p>
 </div>
 <div class="main-content">
 <h1>Main Content</h1>
 <p>This is the main content of the page.</p>
 </div>
 </div>
</body>
</html>
``
```

This example includes styling for the box model, demonstrating how to set dimensions, padding, borders, and margins. Additionally, it showcases a basic layout with a container, sidebar, and main content using float and margin adjustments.

Feel free to modify and experiment with these examples to further understand the concepts.