Color and Backgrounds, Flexbox, and Grid.

10. Color and Backgrounds:

Example 1: Setting Background Color
```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 Background Example 1</title>
    <style>
        body {
            background-color: #f0f0f0; /* Light gray background color */
            color: #333; /* Dark text color */
        }
    </style>
</head>
<body>
    <h1>Hello, World!</h1>
    <p>This is an example of setting background color and text color.</p>
</body>
</html>
```

Example 2: Background Image
```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 Background Example 2</title>
    <style>
        body {
            background-image: url('background-image.jpg');
            background-size: cover;
            color: #fff; /* White text color for better contrast */
        }
    </style>
</head>
<body>
    <h1>Welcome to Our Website</h1>
```

    <p>This example demonstrates using a background image for the page.</p>
</body>
</html>

11. Flexbox:

Example 1: Simple Flexbox Layout
```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 1</title>
    <style>
        .flex-container {
            display: flex;
            justify-content: space-between;
        }

        .flex-item {
            flex: 1;
            padding: 20px;
            border: 1px solid #ccc;
            margin: 10px;
        }
    </style>
</head>
<body>
    <div class="flex-container">
        <div class="flex-item">Item 1</div>
        <div class="flex-item">Item 2</div>
        <div class="flex-item">Item 3</div>
    </div>
</body>
</html>
```

Example 2: Centering Content with Flexbox
```html
<!DOCTYPE html>
<html lang="en">
<head>
```

```html
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Flexbox Example 2</title>
    <style>
        .flex-container {
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
        }

        .flex-item {
            padding: 20px;
            border: 1px solid #ccc;
        }
    </style>
</head>
<body>
    <div class="flex-container">
        <div class="flex-item">Centered Content</div>
    </div>
</body>
</html>
```

12. Grid:

Example 1: Basic Grid Layout

```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 1</title>
    <style>
        .grid-container {
            display: grid;
            grid-template-columns: repeat(3, 1fr);
            gap: 10px;
        }

        .grid-item {
            padding: 20px;
            border: 1px solid #ccc;
        }
    </style>
</head>
<body>
    <div class="grid-container">
        <div class="grid-item">Item 1</div>
        <div class="grid-item">Item 2</div>
        <div class="grid-item">Item 3</div>
    </div>
</body>
</html>
```

Example 2: Responsive Grid Layout

```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 2</title>
    <style>
        .grid-container {
            display: grid;
            grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));
            gap: 10px;
        }

        .grid-item {
            padding: 20px;
            border: 1px solid #ccc;
        }
    </style>
</head>
<body>
    <div class="grid-container">
        <div class="grid-item">Item 1</div>
        <div class="grid-item">Item 2</div>
        <div class="grid-item">Item 3</div>
        <!-- Add more items as needed -->
    </div>
</body>
</html>
```

```
```