Basic Styling

This example demonstrates how to change the color, font size, and background of elements.

HTML:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Basic CSS Example</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<h1>Welcome to CSS</h1>

<p>This is a simple paragraph.</p>

</body>

</html>

CSS (styles.css):

/\* Styling for the body \*/

body {

background-color: #f0f8ff; /\* Light blue background \*/

font-family: Arial, sans-serif;

}

/\* Styling for the heading \*/

h1 {

color: #ff6347; /\* Tomato color for text \*/

text-align: center;

font-size: 36px;

}

/\* Styling for the paragraph \*/

p {

color: #2f4f4f; /\* Dark slate gray \*/

font-size: 18px;

margin: 20px;

}

2. CSS Box Model

This example demonstrates how to style elements using the CSS box model, including margin, padding, and border.

HTML

<!DOCTYPE html>

<html lang="en">

<head>

<title>CSS Box Model</title>

<link rel="stylesheet" href="box-model.css">

</head>

<body>

<div class="box">This is a box with margin, padding, and border.</div>

</body>

</html>

CSS (box-model.css):

/\* Styling for the box \*/

.box {

width: 300px;

padding: 20px; /\* Padding inside the box \*/

margin: 30px auto; /\* Margin outside the box \*/

border: 2px solid #000; /\* Border around the box \*/

background-color: #e0e0e0; /\* Light gray background \*/

text-align: center;

}

3. CSS Flexbox Layout

This example shows how to create a simple layout using CSS Flexbox.

<!DOCTYPE html>

<html lang="en">

<head>

<title>CSS Flexbox Example</title>

<link rel="stylesheet" href="flexbox.css">

</head>

<body>

<div class="container">

<div class="box">Box 1</div>

<div class="box">Box 2</div>

<div class="box">Box 3</div>

</div>

</body>

</html>

CSS (flexbox.css):

/\* Container using flexbox \*/

.container {

display: flex;

justify-content: space-around; /\* Distribute space between boxes \*/

align-items: center;

height: 100vh;

}

/\* Box styling \*/

.box {

width: 100px;

height: 100px;

background-color: #ffa07a; /\* Light salmon color \*/

display: flex;

justify-content: center;

align-items: center;

font-size: 18px;

color: white;

}

4. CSS Hover Effect

This example demonstrates how to apply hover effects using CSS.

<!DOCTYPE html>

<html lang="en">

<head>

<title>CSS Hover Effect</title>

<link rel="stylesheet" href="hover-effect.css">

</head>

<body>

<button class="hover-button">Hover me!</button>

</body>

</html>

CSS (hover-effect.css):

/\* Button styling \*/

.hover-button {

padding: 10px 20px;

background-color: #008cba;

border: none;

color: white;

font-size: 18px;

cursor: pointer;

border-radius: 5px;

transition: background-color 0.3s ease;

}

/\* Change background color on hover \*/

.hover-button:hover {

background-color: #005f73;

}

5. CSS Grid Layout

This example demonstrates how to create a simple grid layout using CSS Grid.

<!DOCTYPE html>

<html lang="en">

<head>

<title>CSS Grid Example</title>

<link rel="stylesheet" href="grid-layout.css">

</head>

<body>

<div class="grid-container">

<div class="grid-item">1</div>

<div class="grid-item">2</div>

<div class="grid-item">3</div>

<div class="grid-item">4</div>

<div class="grid-item">5</div>

<div class="grid-item">6</div>

</div>

</body>

</html>

CSS (grid-layout.css):

/\* Container using grid \*/

.grid-container {

display: grid;

grid-template-columns: repeat(3, 1fr); /\* 3 equal-width columns \*/

gap: 10px; /\* Space between grid items \*/

padding: 10px;

}

/\* Grid item styling \*/

.grid-item {

background-color: #4caf50; /\* Green background \*/

color: white;

padding: 20px;

text-align: center;

font-size: 20px;

}