Experiment-03

Develop an external style sheet named as “style.css” and provide different styles for h2, h3, hr, p, div, span, time, img & a tags. Apply different CSS selectors for tags and demonstrate the significance of each.

Style.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Sample Styled Page (No Div)</title>

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

</head>

<body>

<main id="main-content">

<h2>Welcome to Our Styled Page</h2>

<p>This is a paragraph right after an h2. It demonstrates the adjacent

sibling selector.</p>

<h3>Hover over me!</h3>

<hr>

<p lang="en">This paragraph has a lang attribute, demonstrating the

attribute selector.</p>

<section>

<p>Here's a <span class="highlight">highlighted</span> word using the

class selector.</p>

<p>This paragraph is inside a section, showing the descendant

selector.</p>

<span>This span is a direct child of the section.</span>

</section>

<p>The current date and time: <time datetime="2023-08-31">August 31,

2023</time></p>

<p>Notice how the first letter of each paragraph is styled differently.</p>

<article class="special">

<p>This paragraph is inside an article with class="special".</p>

</article>

<img

src="https://d3njjcbhbojbot.cloudfront.net/api/utilities/v1/imageproxy/https://

images.ctfassets.net/wp1lcwdav1p1/6z473u5f7WaFUnr9GxDEk2/085274c4a84

1bd2dc900ebca36c43c9c/GettyImages

1255905237.jpg?w=1500&h=680&q=60&fit=fill&f=faces&fm=jpg&fl=progre

ssive&auto=format%2Ccompress&dpr=1&w=1000" alt="A placeholder

image">

<p>Check out this <a href="https://searchcreators.org/">link</a> to see

different link states.</p>

</main>

</body>

</html>

Style.css

/\* Element Selector \*/

h2 {

color: #2c3e50;

font-family: 'Arial', sans-serif;

border-bottom: 2px solid #3498db;

padding-bottom: 10px;

}

/\* Element Selector with Pseudo-class \*/

h3:hover {

color: #e74c3c;

cursor: pointer;

transition: color 0.3s ease;

}

/\* Element Selector \*/

hr {

border: 0;

height: 1px;

background-image: linear-gradient(to right, rgba(0, 0, 0, 0), rgba(0, 0, 0,

0.75), rgba(0, 0, 0, 0));

}

/\* Element Selector with Attribute \*/

p[lang] {

font-style: italic;

}

/\* Class Selector \*/

.highlight {

background-color: #f1c40f;

padding: 5px;

}

/\* ID Selector \*/

#main-content {

max-width: 800px;

margin: 0 auto;

padding: 20px;

background-color: #ecf0f1;

}

/\* Descendant Selector \*/

div p {

line-height: 1.6;

margin-bottom: 15px;

}

/\* Child Selector \*/

div > span {

font-weight: bold;

color: #16a085;

}

/\* Adjacent Sibling Selector \*/

h2 + p {

font-size: 1.1em;

color: #7f8c8d;

}

/\* Attribute Selector \*/

time[datetime] {

color: #8e44ad;

font-weight: bold;

}

/\* Pseudo-element Selector \*/

p::first-letter {

font-size: 1.5em;

font-weight: bold;

color: #c0392b;

}

/\* Multiple Selectors \*/

img, a {

border: 1px solid #bdc3c7;

padding: 5px;

}

/\* Pseudo-class Selector for Links \*/

a:link, a:visited {

color: #3498db;

text-decoration: none;

}

a:hover, a:active {

color: #e74c3c;

text-decoration: underline;

}

/\* Attribute Selector for Images \*/

img[alt] {

max-width: 100%;

height: auto;

}

/\* Combining Selectors \*/

div.special p {

text-indent: 20px;

color: #27ae60;

}