

CSS (Cascading Style Sheets)

Cascading Style Sheet is also called CSS which is used to present the HTML structure with providing appealing design on the webpage. When HTML code structure the content, CSS is responsible to make the content user friendly and easily readable. CSS includes change in color, background color, fonts, fonts spacing, margins, etc. It helps developer to make webpage flexible, efficient and easy to maintain. Instead of changing same style in different page or content, CSS allows to change properties of similar content at same time writing single lines of code.

Roles of CSS:

CSS play a important roles in designing the content man making the webpage better at visual look.CSS help to change the fonts, color, layout transition and responsive. It helps to style multiple lines of HTML elements on single webpage or a website. As it can be written in different file, it is easy to developers for maintenance.

Properties of CSS:

There are lots of CSS properties where some of those are mentioned below:

CSS property	Function
color	Set text color
background-color	Set backgroung color
font-size	Control size of font
font-family	Define the type of font
text-align	Align the text
margin	Create margin around elements.
padding	Create space inside elements
width	Set width of elements
height	Set height of elements

CSS working:

CSS works as selector and declaration where,

- Selector target the HTML element which need to be styled.

```
h1 {           #main-content {           .button {
}              }                       }
```

- Declaration is used to define the style using property value.

```
{  
  
    color: green;  
  
    font-size: 24px;  
  
    text-align: center;  
  
}
```

Types of CSS:

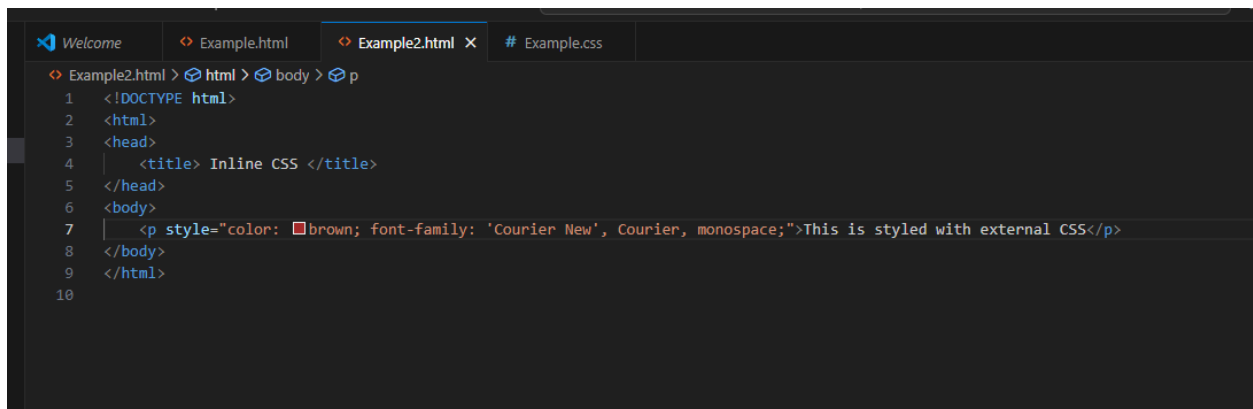
There are basically 3 types of CSS, inline CSS, Internal CSS, and External CSS. These CSS are responsible for different level of control in HTML document file.

➤ Inline CSS:

It is applied directly inside the mentioned HTML element using style attribute.

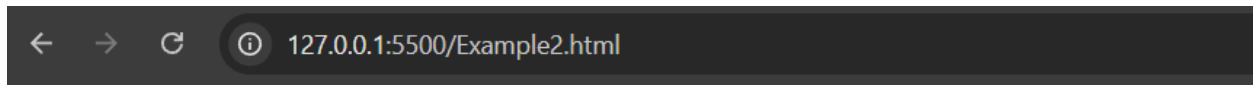
For e.g.

Code:

A screenshot of a code editor with a dark theme. The editor has four tabs at the top: 'Welcome', 'Example.html', 'Example2.html' (which is active and has a close button), and '# Example.css'. The active tab shows the following HTML code:

```
1 <!DOCTYPE html>  
2 <html>  
3 <head>  
4   <title> Inline CSS </title>  
5 </head>  
6 <body>  
7   <p style="color: brown; font-family: 'Courier New', Courier, monospace;">This is styled with external CSS</p>  
8 </body>  
9 </html>  
10
```

Output:



This is styled with inline CSS

➤ Internal CSS:

It is a rule of CSS in which style code are written inside `<style>...</style>` inside `<head>...</head>`.

Code:

A screenshot of a code editor with a dark theme. The editor has four tabs: "Welcome", "Example.html", "Example2.html" (which is active and has a black dot), and "# Example.css". The code in the active tab is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <style>
5     p{
6       background-color: ■bisque;
7       color: ■brown;
8       font-family: 'Courier New', Courier, monospace;
9     }
10  </style>
11  <title> Internal CSS </title>
12 </head>
13 <body>
14   <p>This is styled with internal CSS</p>
15 </body>
16 </html>
17 |
```

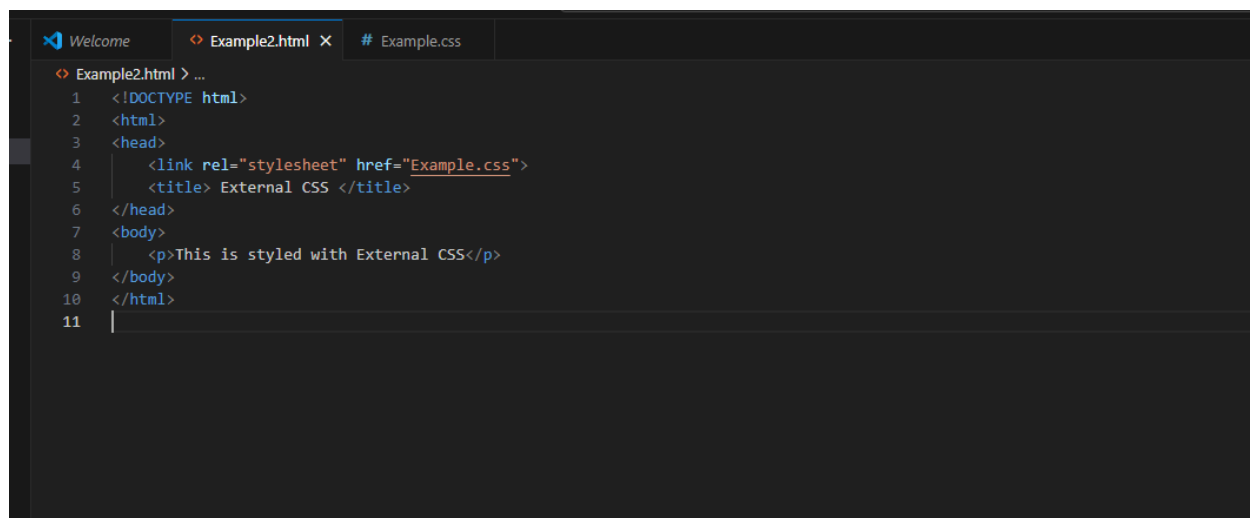
Output:

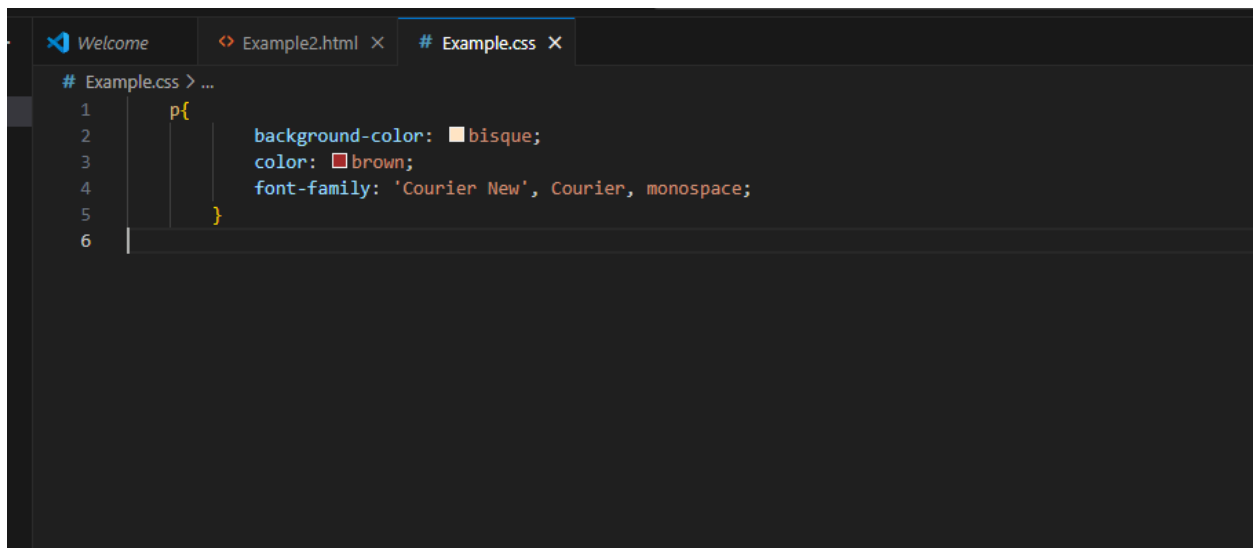


➤ External CSS:

It is a rule of CSS where the code is kept in separate .css file and link .css file to HTML file.

Code:





A screenshot of a code editor with a dark theme. The editor has three tabs at the top: 'Welcome', 'Example2.html', and '# Example.css'. The '# Example.css' tab is active, showing a CSS rule for the 'p' selector. The code is as follows:

```
# Example.css > ...
1  p{
2      background-color: bisque;
3      color: brown;
4      font-family: 'Courier New', Courier, monospace;
5  }
6
```

Output:



Example:

Code section:

```
Example.html X # Example.css X
Example.html > html > head > link
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <link rel="stylesheet" href="Example.css">
5   <meta charset="UTF-8">
6   <title>MyShop - Home</title>
7 </head>
8 <body>
9   <header>
10    <h1>Welcome to MyShop</h1>
11    <nav>
12      <ul>
13        <li><a href="index.html">Home</a></li>
14        <li><a href="products.html">Products</a></li>
15        <li><a href="about.html">About Us</a></li>
16        <li><a href="contact.html">Contact</a></li>
17        <li><a href="cart.html">Cart</a></li>
18      </ul>
19    </nav>
20  </header>
21
22  <main>
23    <section>
24      <h2>Featured Products</h2>
25      <article>
26        <h3>Product 1</h3>
27        
28        <p>Description of product 1.</p>
29        <p>Price: $20</p>
30        <button>Add to Cart</button>
31      </article>
32      <article>
33        <h3>Product 2</h3>
34        
35        <p>Description of product 2.</p>
36        <p>Price: $35</p>
37        <button>Add to Cart</button>
38      </article>
39    </section>
40  </main>
41
42  <footer>
43    <p>&copy; 2025 MyShop. All rights reserved.</p>
44  </footer>
45 </body>
46 </html>
47
```

Output Section:

sewing machine square - Google

MyShop - Home

127.0.0.1:5500/Example.html


Incognito

Welcome to MyShop

HomeProductsAbout UsContactCart

Featured Products

Product 1




UMBRELLA SQUARE

Description of product 1.
Price: \$20

Add to Cart

Product 2



Description of product 2.
Price: \$35

Add to Cart

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