

CSS (Cascading Style Sheet)

CSS (Cascading Style Sheets) is a language for styling and marking up HTML web pages. While HTML provides a web page's structure, CSS manages how that structure is visually disposed (fonts, colors, spacing and placement).

Having CSS separate content from design makes web development more orderly and efficient. CSS can apply styles to an individual element, groups of elements, or entire pages.

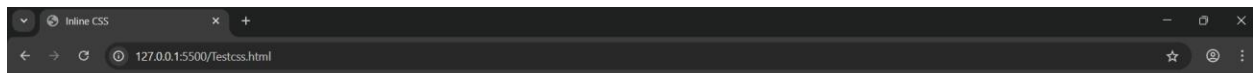
CSS Properties:

CSS Property	Example Value	Description
color	red, #333, rgb(0,0,0)	Sets the text color
background-color	blue, #0f0f0	Sets the background color
font-size	16px, 1.5em, larger	Sets the size of the font
font-family	Arial, sans-serif	Defines the typeface
font-weight	normal, bold, 600	Sets the thickness of the text
text-align	left, center, right	Aligns text horizontally
text-decoration	none, underline, line-through	Adds decoration to text
line-height	1.5, 20px	Sets the space between lines
margin	10px, 0 auto, 1em 2em	Sets space outside the element
padding	5px, 1em 0, 10px 15px	Sets space inside the element (inner spacing)
border	1px solid black, none	Sets the border of an element
width	100px, 50%, auto	Sets the width of the element
height	200px, auto, 50vh	Sets the height of the element
display	block, inline, flex, none	Controls layout behavior
position	static, relative, absolute, fixed	Defines positioning method
top, right, bottom, left	10px, 0, auto	Offsets for positioned elements
z-index	1, 999, -1	Controls stack order (layering)
overflow	visible, hidden, scroll	Controls content overflow
cursor	pointer, default, move	Defines mouse cursor on hover
opacity	1, 0.5, 0	Sets transparency level

Types of CSS:

- ❖ Inline CSS – Written directly inside an HTML element using the style attribute.

```
Testcss.html x
Testcss.html > html
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Inline CSS</title>
5 </head>
6 <body>
7
8   <h1 style="color: red;">This heading uses inline CSS</h1>
9   <p style="font-size: 18px; color: green;">This paragraph also uses inline CSS.</p>
10
11 </body>
12 </html>
```

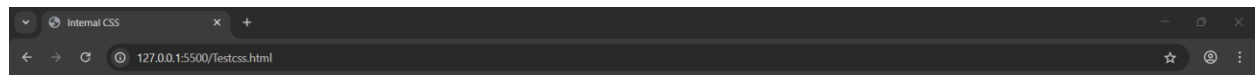


This heading uses inline CSS

This paragraph also uses inline CSS.

- ❖ Internal CSS – Defined within a <style> tag inside the <head> section of HTML.

```
Testcss.html X
Testcss.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>Internal CSS</title>
5    <style>
6      h1 {
7        color: blue;
8      }
9      p {
10       font-size: 18px;
11       color: darkgreen;
12     }
13   </style>
14 </head>
15 <body>
16
17   <h1>This heading uses internal CSS</h1>
18   <p>This paragraph is also styled with internal CSS.</p>
19
20 </body>
21 </html>
22
```



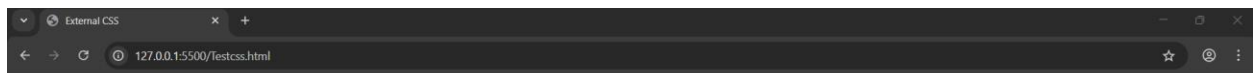
This heading uses internal CSS

This paragraph is also styled with internal CSS.

- ❖ External CSS – Written in a separate .css file and linked using <link>.

```
Testcss.html ● # style.css ●
> Testcss.html > html
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>External CSS</title>
5   <link rel="stylesheet" href="style.css">
6 </head>
7 <body>
8
9   <h1>This heading uses external CSS</h1>
10  <p>This paragraph is also styled with external CSS.</p>
11
12 </body>
13 </html>
```

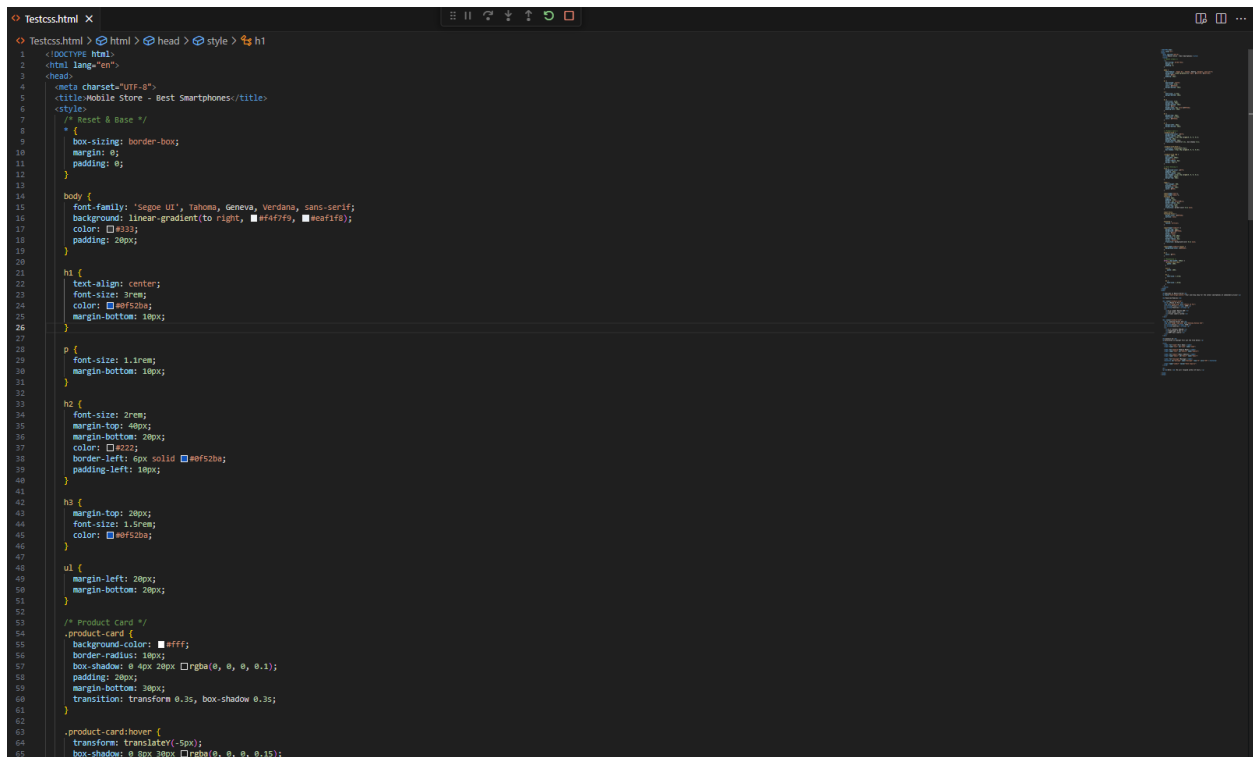
```
<> Testcss.html × # style.css ×
# style.css > ...
1 h1 {
2   color: purple;
3 }
4
5 p {
6   font-size: 18px;
7   color: rgb(22, 22, 204);
8 }
9
```



This heading uses external CSS

This paragraph is also styled with external CSS.

Example:

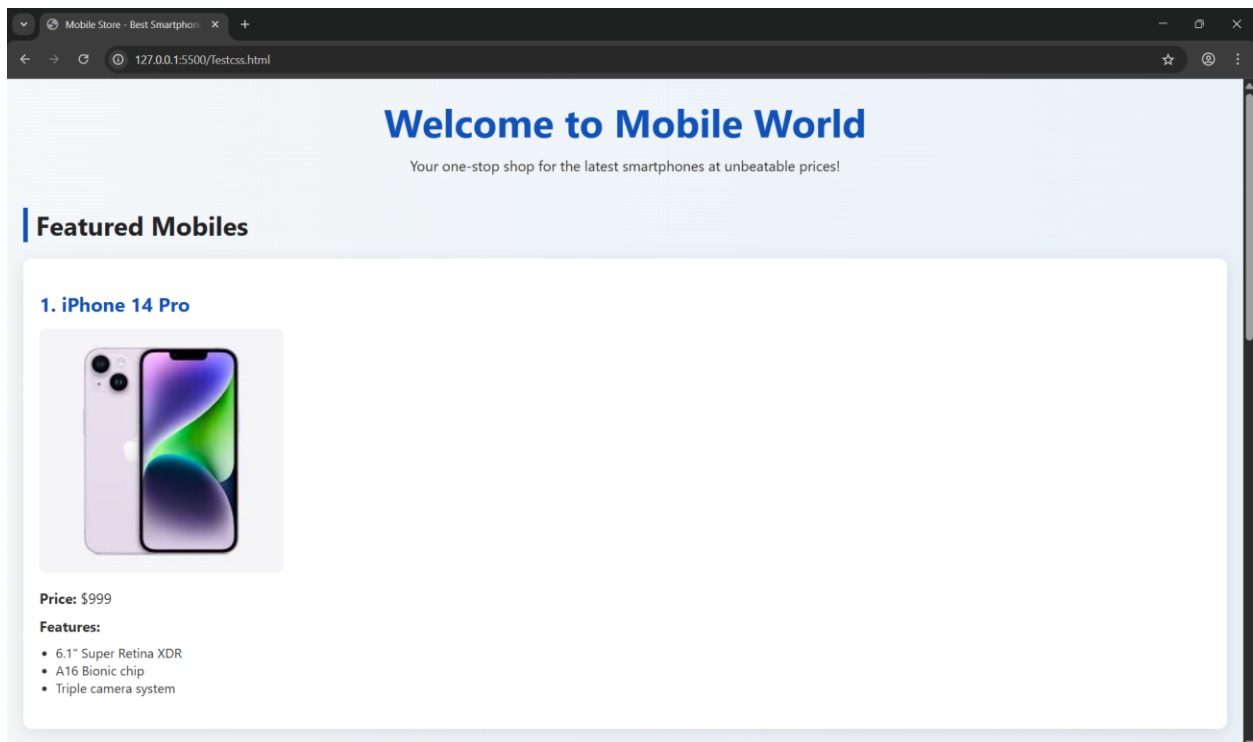


```
Testcss.html X
Testcss.html > html > head > style > h1
2 <html lang="en">
3 <head>
6 <style>
63 .product-card: hover {
66 }
67
68 .product-card img {
69 width: 180px;
70 max-width: 380px;
71 height: auto;
72 border-radius: 8px;
73 margin: 15px 0;
74 }
75
76 /* Form Styling */
77 form {
78 background-color: #e9f5d5;
79 padding: 20px;
80 border-radius: 12px;
81 box-shadow: 0 4px 25px #0000000a;
82 max-width: 600px;
83 margin-top: 20px;
84 }
85
86 label {
87 font-weight: 600;
88 display: block;
89 margin-top: 15px;
90 color: #333;
91 }
92
93 input[type="text"],
94 input[type="email"],
95 textarea {
96 width: 100%;
97 padding: 12px;
98 border: 1px solid #ccc;
99 border-radius: 4px;
100 font-size: 1rem;
101 margin-top: 8px;
102 transition: border-color 0.3s ease;
103 }
104
105 input:focus,
106 textarea:focus {
107 border-color: #00796b;
108 outline: none;
109 }
110
111 textarea {
112 resize: vertical;
113 }
114
115 input[type="submit"] {
116 margin-top: 20px;
117 background: #00796b;
118 color: white;
119 border: none;
120 padding: 12px 20px;
121 font-size: 1.1rem;
122 border-radius: 6px;
123 cursor: pointer;
124 transition: background-color 0.3s ease;
125 }
126
```

```
Testcss.html X
Testcss.html > html > head > style > h1
2 <html lang="en">
3 <head>
6 <style>
126
127 input[type="submit"]:hover {
128 background-color: #00796b;
129 }
130
131 em {
132 color: #00796b;
133 }
134
135 /* Responsive */
136 @media (max-width: 768px) {
137 .product-card img {
138 width: 180px;
139 }
140
141 form {
142 width: 100%;
143 }
144
145 h1 {
146 font-size: 2.2rem;
147 }
148
149 h2 {
150 font-size: 1.6rem;
151 }
152 }
153 </style>
154 </head>
155 <body>
156
157 <h1>Welcome to Mobile World</h1>
158 <p style="text-align:center">Your one-stop shop for the latest smartphones at unbeatable prices</p>
159
160 <h2>Featured Mobiles</h2>
161
162 <div class="product-card">
163 <h3>1. iPhone 14 Pro</h3>
164 
165 <p><strong>Price:</strong> $999</p>
166 <p><strong>Features:</strong></p>
167 <ul>
168 <li>6.1" Super Retina XDR</li>
169 <li>A16 Bionic chip</li>
170 <li>Triple camera system</li>
171 </ul>
172 </div>
173
174 <div class="product-card">
175 <h3>2. Samsung Galaxy S23</h3>
176 
177 <p><strong>Price:</strong> $799</p>
178 <p><strong>Features:</strong></p>
179 <ul>
180 <li>6.1" Dynamic AMOLED</li>
181 <li>Snapdragon 8 Gen 2</li>
182 <li>50MP main camera</li>
183 </ul>
184 </div>
185
186 <h2>Contact Us</h2>
187 <p>Interested in buying? Fill out the form below</p>
188
```

```
Testcss.html X
Testcss.html > html > body > div.product-card > ul > li
2 <html lang="en">
185 <body>
186
187 <div>Contact us/EN
188 <p>Interested in buying? Fill out the form below:</p>
189
190 <form>
191 <label for="name">Full Name:</label>
192 <input type="text" id="name" name="name">
193 <label for="mobile">Mobile Model:</label>
194 <input type="text" id="mobile" name="mobile">
195 <label for="email">Email Address:</label>
196 <input type="email" id="email" name="email">
197
198 <label for="message">Message:</label>
199 <textarea id="message" name="message" rows="4" cols="40"></textarea>
200
201 <input type="submit" value="Send Inquiry">
202 </form>
203
204 <br>
205 <p><em>Note:</em> We will respond within 24 hours.</p>
206
207
208 </body>
209 </html>
210
```

Output Screen:



2. Samsung Galaxy S23



Price: \$799

Features:

- 6.1" Dynamic AMOLED
- Snapdragon 8 Gen 2
- 50MP main camera

Contact Us

Interested in buying? Fill out the form below:

Full Name:

- Snapdragon 8 Gen 2
- 50MP main camera

Contact Us

Interested in buying? Fill out the form below:

Full Name:

Mobile Model:

Email Address:

Message:

Send Inquiry

Note: We will respond within 24 hours.