CSS  
(Cascading Style Sheets)

[AN HTML PAGE STRUCTURE 1](#_Toc61388105)

[THE DOCTYPE ELEMENT 1](#_Toc61388106)

[THE HTML ELEMENT 1](#_Toc61388107)

[THE HEAD ELEMENT 1](#_Toc61388108)

[THE BODY ELEMENT 2](#_Toc61388109)

# CSS SYNTAX

|  |  |
| --- | --- |
| CSS Syntax | selector {  property: value; } |

# PRIMARY SELECTORS

|  |  |
| --- | --- |
| Select by Tag | body {  background-color: blue;  text-align: center;  } |
| Select by ID | nav#top {  background-color: blue; } |
| Select by Class | nav.top {  background-color: blue; }  .code {  font-family: Helvetica, sans-serif; } |

# NESTED SELECTORS

|  |  |
| --- | --- |
| Descendant | article p {  padding: 10px; } |
| Adjacent Sibling | p + p {  font-style: italic; } |
| Direct Child | div > p {  font-style: italic; } |
| Multiple Classes | .top.bottom {  font-style: italic; } |
| Attribute Selectors | a[title="menu"] {  text-decoration: none; } |
| Multiple Selectors | h1, h2, p {  background: yellow; } |

# PSEUDO SELECTORS

|  |  |
| --- | --- |
| Hover |  |

# THE HEAD ELEMENT

|  |  |
| --- | --- |
| Contains Markup not Visible to the User | <head>...</head> |
| Metadata Definitions | <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0"> |
| Links to CSS Documents (Styles Declarations) | <link rel="stylesheet" type="text/css" href="site.css"> |
| Links to JS Documents (Scripts Declarations) | <script src="main.js"></script> |
| Title of the Page | <title>Document</title> |
| Site Icon (Favicon): http://www.favicon-generator.org | <link href="/favicon.ico" rel="shortcut icon" type="image/x-icon"/> |

# THE BODY ELEMENT

|  |  |
| --- | --- |
| Contains Markup Visible to the User | <body>...</body> |
| Structure of the Body Element | <nav>...</nav> |
| Navigation | <nav>  <ul>  <li><a href="about.html">Home</a></li>  <li><a href="about.html">About</a></li>  <li><a href="about.html">Contact</a></li>  </ul>  </nav> |
| Header |  |
| Main (Content + Aside) |  |
| Footer |  |

## SEMANTIC TAGS

|  |  |
| --- | --- |
| Navigation (Defines a Set of Navigation Links) | <nav id="topmenu">  <ul>  <li><a href="about.html">Home</a></li>  <li><a href="about.html">About</a></li>  <li><a href="about.html">Contact</a></li>  </ul>  </nav> |
| Header (Contains the Title) | <header>  <h1>Google buys Nest</h1>  <p>Posted at <time datetime="2014-01-13T11:34">11:34AM, 13th January 2014</p>  </header> |
| Main (Content + Aside) | <main>  <aside>...</aside>  <section>  <article>  <h1>Peter</h1>  </article>  <article>  <h1>Maria</h1>  </article>  </section>  </main> |
| Aside (Defines a Sidebar) | <aside>  <h2>Blogroll</h2>  <ul>  <li><a href="#">My Friend</a></li>  <li><a href="#">My Other Friend</a></li>  <li><a href="#">My Best Friend</a></li>  </ul>  </aside> |
| Footer | <footer>  <p>Posted by: Hege Refsnes</p>  <p>  <a href="mailto:webmaster@example.com">Contact Information</a>  </p>  <p>©copyright</p>  </footer> |
| Figure + Caption | <p>The Puplit Rock is a massive cliff...</p>  <figure>  <img src="img\_pulpit.jpg" alt="The Pulpit Rock Photo">  <figcaption>Fig. 1 – A view of the Pulpit Rock in Norway</figcaption>  </figure> |
| Details | <details>  <summary>Some details</summary>  <p>More info about the details.</p>  </details> |
| Time | <time datetime="2014-01-13T11:34">January 13th, 2014</time> |
|  | <address>  Street Address: Karlstraße 120<br/>  Country Name: Germany<br/>  Tel: +49 1234 5678<br/>  Fax: +49 1234 5679  </address> |
|  | <dialog> |
| Embedding Audio | <audio controls autoplay>  <source src="horse.mp3" type="audio/mpeg">  </audio> |
| Embedding Video | <video controls="controls">  <source src="shuttle.mp4" type="video/mp4">  <source src="shuttle.ogg" type="video/ogg">  Your browser does not support the HTML5 video.  </video> |

## OTHER TAGS

|  |  |
| --- | --- |
| Titles | <h1>The Biggest Heading</h1>  <h6>The Smallest Heading</h6> |
| Paragraph | <p>This is a paragraph.</p> |
| Image | <img src="image.png" alt="Photo of the Team"> |
| Hyperlink (Ctrl + Spacebar to see available documents in VSC) | <a href="about.html">About</a> |
| Unordered List | <ul>  <li>...</li>  <li>...</li>  <li>...</li>  </ul> |
| New Line (Not Recommended!) | <br/> |
| Table | <table>  <thead>  <tr>  <th>Name</th>  <th>Age</th>  </tr>  </thead>  <tbody>  <tr>  <td>John</td>  <td>10</td>  </tr>  <tr>  <td>Mark</td>  <td>20</td>  </tr>  </tbody>  <tfoot>  <tr>  <td>Average</td>  <td>15</td>  </tr>  </tfoot>  </table> |
| Merge Columns and Rows | <td colspan="2">Sum: ...</td>  <td rowspan="2">Average: ...</td> |

## STYLES

|  |  |
| --- | --- |
| Font (CSS) | <p style="font-family: 'Helvetica', sans-serif;">Text</p> |
| Font Size (CSS) | <p style="font-size: large;">Text</p> |
| Italic (CSS) | <em>I am italic</em> |
| Bold (CSS) |  |
|  |  |
|  |  |
|  |  |

## HTML ENTITIES (SPECIAL SYMBOLS)

|  |  |
| --- | --- |
| Empty Space ( ) | <p>Here I have a doble space&nbsp;&nbsp;between the words.</p> |
| Smaller than (<) | <p>2 &lt; 5</p> |
| Greater than (>) | <p>2 &gt; 0</p> |
| Ampersand (&) | <p>Guns &amp; Roses</p> |
| Quotation Marks (") | &quot; |
| Apostrophe (') | &apos; |
| Number (№) | <p>&numero;</p> |
| Copyright (©) | <p>&copy; All copyrights reserved.</p> |
| Rights Reserved (®) | <p>&reg; All rights reserved.</p> |
| Euro (€) | <p>500 &euro;</p> |
| Pound (£) | <p>500 &pound;</p> |

## DESCRIPTION LISTS

|  |  |
| --- | --- |
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|  |  |
|  |  |