CSS

[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)

figma

Academind: JS Data Structures, algorithms

scrum agile

css selector game

flex

Google: css tricks, css grid tricks; css modules, styled components, etc.

Frontend Masters

# CSS INTRODUCTION

|  |  |
| --- | --- |
| About CSS | CSS stands for Cascading Style Sheets and defines the visual presentation of HTML elements. Every CSS document is a collection of CSS rules. Every rule contains a selector (an identifier of the HTML element/s to be styled) and one or more declarations. |
| CSS Syntax | selector {  property: value; } |

# ADD CSS TO AN HTML PAGE

|  |  |
| --- | --- |
| External Style Sheet (in <head>) | <link rel="stylesheet" type="text/css" href="site.css"> <!-- for several pages --> |
| Internal Style Sheet  (in <head>) | <style>...</style> <!-- when a single document has a unique style --> |
| Inline Style | <p *style*="color:red">Some red text</p> |
| Style Inheritance | When the same element is styled differently, the last style overwrites the previous ones. In increasing order of priority: external styles, internal styles, inline styles, !important. |

# CSS PROPERTIES

|  |  |
| --- | --- |
| Background | background-color: #fff | transparent | navy | rgb(125, 125, 125);  background-image: url(../image.jpg);  background-repeat: repeat | repeat-x | repeat-y | no-repeat;  background-position: top left; |
| Text | (text-)color: #000 | red | #05ffb0 | rgb(125, 125, 255) | rgba(255, 0, 0, 0.5);  text-align: left | right | center | justify;  text-decoration: underline | overline | line-through | none;  text-transform: uppercase | lowercase | capitalize;  text-indent: 50px; /\* the indentation of the first line \*/  line-height: 1.5; /\* relative to the font size \*/  text-overflow: clip; /\* ellipsis in case the text is overflowing \*/  word-break: normal | break-all; /\* the word break at the end of the line \*/  text-shadow: none | 2px 4px 10px red; /\* horizontal, vertical, blur, color \*/ |
| Font | font-family: Verdana, Arial, sans-serif; /\* family name \*/  font-family: serif | sans-serif | monospace | cursive | fantasy /\* generic name \*/  font-style: italic | normal | oblique; /\* oblique: more slanted than italic \*/  font-size: 16px; /\* default: 18px \*/  font-size: 1rem; /\* relative to the root's font size \*/  font-size: 1em; /\* relative to the parent element's font size \*/  font-weight: bold | bolder | normal | 100; /\* 100: thin, 900: bolder \*/  letter-spacing: normal | 2px; /\* the spacing between the characters \*/ |
| Border | border-style: solid | dotted | dashed | double;  border-color: #C00;  border-width: 2px; |
| Margin | margin-top: 10px;  margin-right: 10px;  margin-bottom: 10px;  margin-left: 10px; |
| Padding | padding-top: 10px;  padding-right: 10px;  padding-bottom: 10px;  padding-left: 10px; |
| Outline | outline-width: 4px; /\* the width of the element's outline \*/  outline-style: dotted; /\* the style of the element's outline \*/  outline-color: 4px; /\* the color of the element's outline \*/  outline: 4px dotted red; /\* width, style, color \*/ |
| List Styles | list-style-type: none | circle | disc;  list-style-position: inside | outside;  list-style-image: url(../image); |
| Cursor | cursor: pointer | move; /\* the mouse cursor when covering the element \*/ |

# PRIMARY SELECTORS

|  |  |
| --- | --- |
| Select by Tag | h1 { /\* applies to all <h1> elements \*/  background-color: blue;  text-align: center;  } |
| Select by ID | nav#top { /\* applies to nav element with id "top" \*/  background-color: blue; } |
| Select by Class | nav.top { /\* applies to all nav elements with class "top" \*/  background-color: blue; }  .code { /\* applies to all elements with class "code" \*/  font-family: Helvetica, sans-serif; } |
| Multiple Selectors | h1, h2, p {  background: yellow; } |
| Select by Pseudo-Class | a:hover { /\* applies to all <a> elements when the user's mouse is over them \*/  text-decoration: underline;  }  tbody tr:nth-child(odd) { /\* applies to all odd <tr> elements (1st, 3rd, 5th, etc.) \*/  background-color: green;  } |
|  | @font-face |

# 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; } |

# FONT AWSOME ICONS

|  |  |
| --- | --- |
| About Font Awsome | It is the most popular icon toolkit based on CSS. |
| Use Font Awsome in the HTML File | <link *rel*="stylesheet" *href*="https://use.fontawsome.com/releases/v5.10.2/css/all.css">  <body>  <i *class*="fas fa-star"></i>  </body> |
| Import Font Awsome in the CSS File | @import url('https://use.fontawsome.com/releases/v5.10.2/css/all.css'); |