

### Basic Syntax

```
h1 {
  color: red;
  text-align: center;
}
//{property: value;}
```

### Ways to add CSS styling

#### External

```
<link rel="stylesheet" href="styles.css">
```

#### Internal

```
<style> h1 { color: blue; } </style>
```

#### Inline

```
<h1 style="color: red;">Hello</h1>
```

### Text Formatting

#### Font size : (absolute)

```
font-size: 16px;
```

#### Font size : (relative)

```
font-size: 1.2em
```

#### Font family

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

#### Font style

```
font-style: italic;
```

#### Font weight

```
font-weight: bold;
```

#### Text alignment

```
text-align: left | center | right | justify;
```

#### Text decoration

```
text-decoration: underline | line-through | overline | none;
```

### Colors & Background

#### Text color

```
color: red;
```

#### Background color

```
background-color: #f0f0f0;
```

#### Background image

```
background-image: url('image.jpg');
```

#### Background repeat

```
background-repeat: no-repeat | repeat-x | repeat-y;
```

#### Background position

```
background-position: center center;
```

#### Fixed background

```
background-attachment: fixed;
```

### Borders & Shadows

#### Border

```
border: 2px solid black;
```

#### Border radius

```
border-radius: 10px;
```

#### Box Shadow

```
box-shadow: 5px 5px 10px gray;
```

#### Text Shadow

```
text-shadow: 2px 2px 4px black;
```

### Selectors

#### Element selector

```
p { color: blue; }
```

#### Class selector

```
.intro { color: green; }
```

#### ID selector

```
#main { font-size: 20px; }
```

#### Group selector

```
h1, h2, p { color: red; }
```

#### Child selector



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### Selectors (cont)

```
div > p { color: blue; }
```

#### Adjacent sibling selector

```
h1 + p { color: gray; }
```

#### Universal selector

```
* { margin: 0; padding: 0; }
```

#### Attribute selector

```
input[ type="text" ] { border: 1px solid blue; }
```

### Pseudo-classes & Elements

#### hover

```
a:hover { color: orange; }
```

#### First child

```
p:first-child { font-weight: bold; }
```

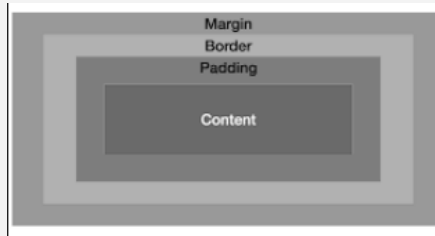
#### First letter

```
p::first-letter { font-size: 2em; }
```

#### Before content

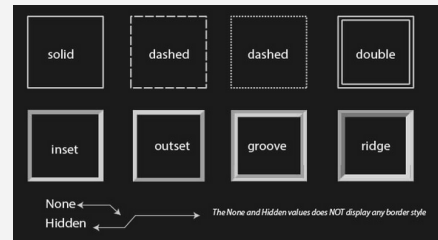
```
h1::before { content: "★"; }
```

### Box model



Margin	margin: 10px;
Padding	padding: 10px;
Width	width: 100px;
Height	height: 50px;
Border	border: 2px solid black;

### Border Style



### Position Types

static	default
relative	relative to itself
absolute	relative to parent
fixed	relative to viewport
sticky	moves within a container

### Display

block	default for div, p, h1
inline	for span, a
inline-block	inline + block
none	hiding element

### z-index

controls layer order (it's like a 3rd dimension for the page)

```
z-index: 100; (up)
```

```
z-index: -5; (down)
```

### Float & Clear

#### Float :

```
float: left | right;
```

#### Clear

```
clear: left | right | both;
```



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