

# Introduction to CSS

## What is CSS?

CSS: Cascading Style Sheets

## How to add CSS?

### Three ways:

① Inline: use only there is a single element

```
<html style="background: blue">
</html>
```



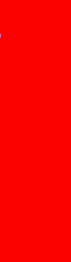
② Internal: able to apply any where in HTML document, but only one page web.

```
<html>
<head>
<style>
  html {
    background: red;
  }
</style>
</head>
</html>
```

usually  
in head  
tag

selector

### Internal



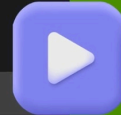
③ External: separate .css file for multi-page web (most common)

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

part in  
the head  
tag

### External

relationship  
link



styles.css

```
html {
  background: green;
}
```

## 5 CSS Selectors:

① Element

② class

③ ID

④ Attribute

⑤ Universal

## CSS Selectors

Element Selector: apply the style to all elements have the particular tag.

```
h1 {
  color: blue;
}
```

⇒ all h1 tags in HTML will have blue color

**Class Selector:** an attribute to any HTML element for grouping elements (many elements) to apply the same CSS rule to all of them

class vs ID:

class can apply to many elements while

ID apply to only one element

```
<h2 class="red-text">Heading 2</h2>
<h3>Heading 3</h3>
<p class="red-text">Paragraph</p>
```

```
styles.css
.red-text {
  color: red;
}
```

h2 **Heading 2**

Heading 3

Paragraph

**ID Selector:** select all elements have particular ID attribute (one element)

```
<h2 id="main">Red</h2>
<h2>Green</h2>
<h2>Blue</h2>
```

```
styles.css
#main {
  color: red;
}
```

**Red**

Green

Blue

**Attribute Selector:** apply the style to all attributes within the HTML element

```
<p draggable="true">Drag me</p>
<p draggable="false">Don't drag me</p>
<p draggable="false">Don't drag me</p>
```

```
styles.css
p[draggable="false"] {
  color: red;
}
```

Drag me

Don't drag me

Don't drag me

**Universal Selector:** select all

```
<h1 class="title">Hello</h1>
<h2 id="heading">World</h2>
<p draggable="true">
  This is a website
</p>
```

```
styles.css
* {
  color: red;
}
```

**Hello**

**World**

This is a website

Intro CSS

3 ways to add CSS

- ① inline: use on single element → `<h1 style="color:red"></h1>`
- ② internal: apply any where in HTML, but for one page web  
`<head> <style> h1 { color:red } </style> </head>`
- ③ external (most common): separate .css file for multi-page web  
`<head> <style> <link rel="stylesheet" href="/style.css"> </style> </head>`

5 CSS Selectors

- ① element: `h1 { }`
- ② class: `.class name { }` → many elements
- ③ ID: `#ID name { }` → one element
- ④ attribute: `element name [attribute name = value] { }`
- ⑤ universal: `* { }`