

Introduction to CSS

What is CSS?

- CSS stands for Cascading Style Sheets. It is the language for describing the presentation of Web pages, including colours, layout, and fonts, thus making our web pages presentable to the users.
- CSS is designed to make style sheets for the web. It is independent of HTML and can be used with any XML-based markup language. Now let's try to break the acronym:
 - Cascading: Falling of Styles
 - Style: Adding designs/Styling our HTML tags
 - Sheets: Writing our style in different documents

CSS Syntax

```
h1{  
    color:red;  
}
```

```
P{  
    color: Blue  
}
```

How to add CSS

- **Internal CSS**
- **Inline CSS**
- **External CSS**

Internal CSS

- With the help of style tag, we can apply styles within the HTML file
- Redundancy is removed
- But the idea of separation of concerns still lost
- Uniquely applied on a single document

```
<style>
  h1{
    color:red;
  }
  P{
    color: Blue
  }
</style>
```

Inline CSS

- Before CSS this was the only way to apply styles
- Not an efficient way to write as it has a lot of redundancy
- Self-contained
- Uniquely applied on each element
- The idea of separation of concerns was lost

```
<h3 style="color:red"> Have a great day </h3>
```

```
<p style =" color: green"> I did this , I did that  
</p>
```

External CSS

- With the help of <link> tag in the head tag, we can apply styles
- Reference is added
- File saved with .css extension
- Redundancy is removed
- The idea of separation of concerns is maintained
- Uniquely applied to each document

```
<link rel="stylesheet" type="text/css" href="name of  
the Css file">
```

CSS Selectors

- Element Selector
- Id Selector
- Class Selector

Element Selector

- Used to select HTML elements by its name
- How we do it

```
h1 {  
    Color: red;  
}
```

```
P{  
    color: Blue  
}
```

ID Selector

- The id attribute is used to select HTML element
- Used to target specific or unique element
- How we do it

```
#unique{  
    Color: red;  
}
```

```
<h1 id="unique"> Hi </h1>
```

Class Selector

- The class attribute is used to select HTML element
- Used to target a specific class of the element
- How we do it

```
.group {  
    Color: red;  
}
```

```
<h1 class="group"> Hi </p>
```

CSS Color

- Direct colors – (EG: blue)- [Accepted colors](#)
- RGB - (128,128,128)
- HEX - #000000
- HSL
- RGBA
- HSLA

Box Model

