

1. What is CSS?

CSS is used to **style HTML** — for example: change colors, fonts, layouts, spacing, etc.

2. CSS Syntax (Structure)

```
selector {  
    property: value;  
}
```

Example:

```
h1 {  
    color: red;  
    font-size: 24px;  
}
```

Explanation:

- h1 → **selector** (targets the HTML <h1> element)
 - color & font-size → **properties** (CSS **keywords**)
 - red & 24px → **values** assigned to those properties
-

3. Common CSS Selectors (Targets HTML Elements)

Selector Type	Example	What it selects
Element	p	All <p> tags
Class	.box	All elements with class="box"
ID	#main	Element with id="main"
Universal	*	All elements
Grouping	h1, p	All <h1> and <p> elements

4. Common CSS Properties (Keywords)

Property	What it does	Example Value
color	Text color	blue, #ff0000
background	Background color or image	yellow, url(...)

Property	What it does	Example Value
font-size	Size of text	16px, 1.2em
margin	Outside spacing	10px, auto
padding	Inside spacing	5px 10px
border	Border styling	1px solid black
width	Width of element	100px, 50%
height	Height of element	300px
text-align	Align text	left, center
display	Layout type	block, flex
position	Element position	static, absolute

5. How to Use CSS in HTML

a) Inline CSS

Inside the HTML tag:

```
<p style="color: green;">Hello</p>
```

b) Internal CSS

Inside <style> tag in the HTML <head>:

```
<head>
  <style>
    p {
      color: green;
    }
  </style>
</head>
```

c) External CSS

Separate .css file (best practice):

```
/* style.css */
```

```
p {
  color: green;
```

```
}
```

Link it in your HTML:

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

 **6. Example: Full HTML + CSS Page**

```
<!DOCTYPE html>

<html>
<head>
<title>CSS Example</title>
<style>
body {
    background-color: #f0f0f0;
}

h1 {
    color: blue;
    text-align: center;
}

.box {
    width: 200px;
    height: 100px;
    background-color: orange;
    margin: 20px auto;
    padding: 10px;
}
</style>
</head>
<body>
<h1>Welcome</h1>
<div class="box">This is a styled box.</div>
```

```
</body>
```

```
</html>
```
