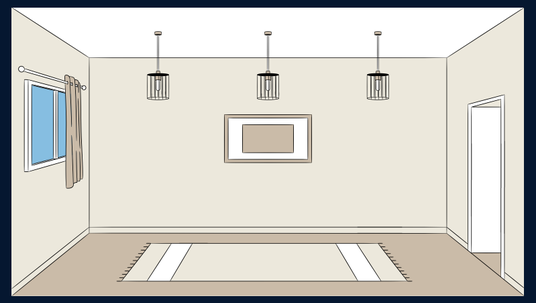
HTML

Structure/layout

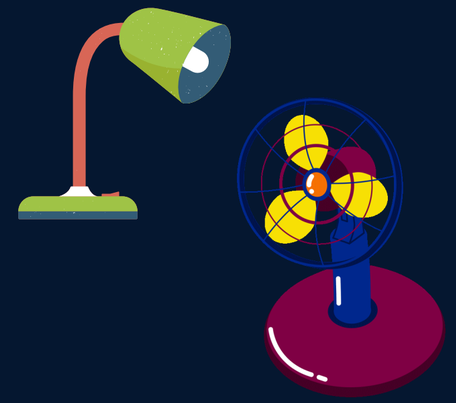


CSS

Style

JS

Logic



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Level 1

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CSS

Cascading Style Sheet

It is a language that is used to describe the style of a document.

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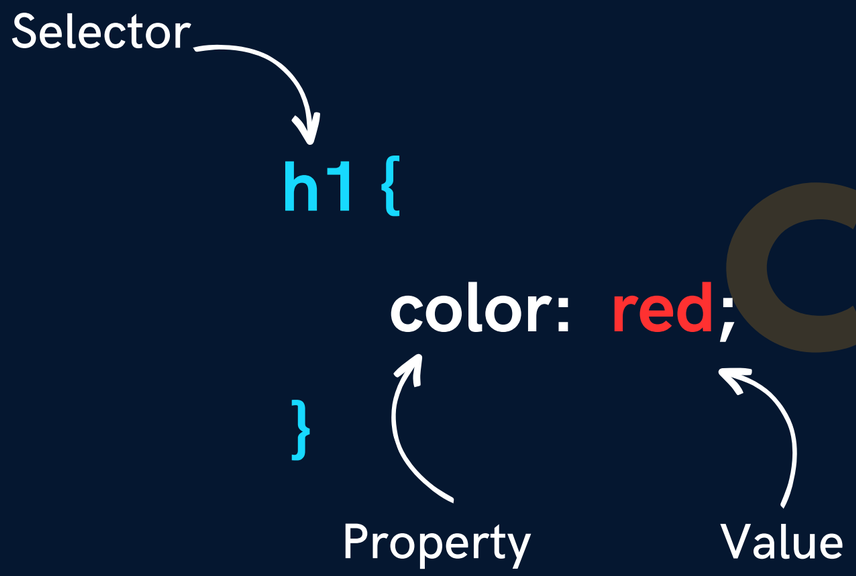
Basic Syntax



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Including Style

- Inline

```
<h1 style="color: red"> Apna College </h1>
```

- <style> tag

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

Including Style

- External Stylesheet

  Writing CSS in a separate document & linking it with HTML file

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Color Property

Used to set the color of foreground

```
color: red;

color: pink;

color: blue;

color: green;
```

Background Color Property

Used to set the color of background

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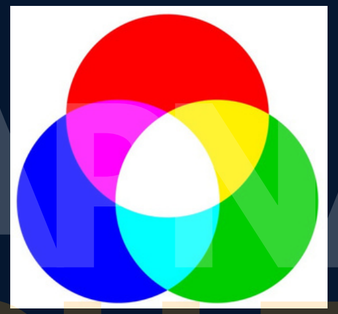
```
background-color: red;

background-color: pink;

background-color: blue;

background-color: green;
```

Color Systems

- RGB

  color: rgb(255, 0, 0);

  color: rgb(0, 255, 0);



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Color Systems

- Hex (Hexadecimal)

```
color: #ff0000;

color: #00ff00;
```

Selectors

- Universal Selector

```
* { }
```

- Element Selector

```
h1 { }
```

- Id Selector

```
#myId { }
```

- Class Selector

```
.myClass { }
```

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Practice Set 1

Q1: Create a simple div with an id "box".
Add some text content inside the div.
Set its background color to blue.

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Q2: Create 3 headings with h1, h2 & h3.
Give them all a class "heading" & set color of "heading" to red.

Q3: Create a button & set its background color to :

- green using css stylesheet
- blue using <style> tag
- pink using inline style

Text Properties

text-align

text-align : left / right / center

Text Properties

text-decoration

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text-decoration : underline / overline / line-through

Text Properties

font-weight

font-weight : normal / bold / bolder / lighter

font-weight : 100-900

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Text Properties

font-family

font-family : arial

font-family : arial, roboto

- **Generic font families**: Generic font families are determined by font family properties such as serifs—which are decorative strokes on the ends of letters—or cursive strokes. The generic font family name will specify the attribute that all fonts within that family share, like serif, sans-serif, or monospace.
- **Specific font families**: Specific font families are specific fonts with different styles within the one font family name, such as Arial, Times New Roman, and Tahoma.

5 Generic Font Families

Here is an overview of the generic font families found in many word processing programs:

1. **Serif**: Serif fonts are traditional typefaces using characters that have serifs which are small winged or flared tips extending off the tips of a letter. Serif fonts are typically used in printed books, newspapers, and magazines. Some popular serif fonts include Times New Roman, Garamond, Palatino, and Georgia.

2. **Sans-Serif**: Sans-serif fonts use characters without serifs and are more commonly seen in digital formats. A sans-serif font will typically be the default font in digital word processing programs. Sans-serif fonts include Arial, Helvetica, Verdana, Trebuchet MS, and Gill Sans.

3. **Cursive**: Cursive fonts use characters that have connective strokes which give the font a handwritten appearance. Cursive fonts include Comic Sans MS, Adobe Poetica, Sanvito, and Zapf-Chancery.

4. **Fantasy**: Fantasy fonts are stylized fonts that still maintain the characteristics of non-cursive, traditional alphabet glyphs. Examples include Cottonwood, Critter, and Alpha Geometrique.

5. **Monospace**: Fonts in the monospace font family have characters that are all the same width, giving text the appearance of a manual monospaced typewriter. Examples of monospaced fonts include Courier New, Monaco, Lucida Console, Consolas, and Everson Mono.

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Units in CSS

Absolute

pixels (px)

96px = 1 inch

font-size: 2px;

Text Properties

line-height

line-height : 2px

line-height : 3

line-height : normal

Text Properties

text-transform

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text-tranform : uppercase / lowercase / capitalize / none

Practice Set 2

Q1: Create a heading centred on the page with all of its text capitalized by default.

Q2: Set the font family of all the content in the document to "Times New Roman".

Q3: Create one div inside another div.
Set id & text "outer" for the first one & "inner" for the second one.
Set the outer div text size to 25px & inner div text size to 10px.

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