

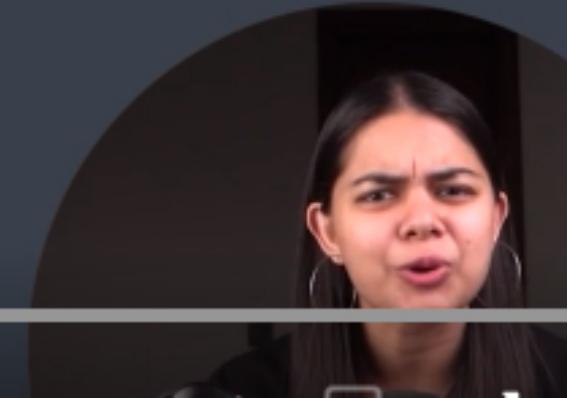
CSS

Cascading Style Sheets



html

html with css



What is CSS ?

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



Basic Format of CSS

Selector

```
h1 {
```

```
    color: red;
```

```
}
```

Property

Value



How to Include Styles?

- **Inline Styles**

Writing style directly inline on each element

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

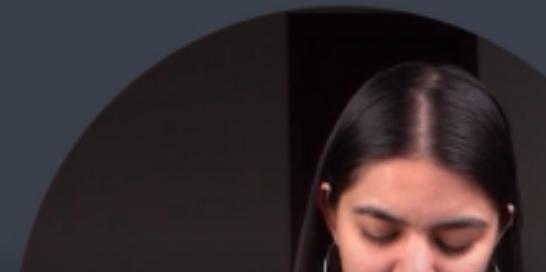


How to Include Styles?

- Using <style> tag

Style is added using the <style> element in the same document

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



How to **Include Styles?**

- **External Stylesheet**

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



Linking HTML with CSS File

```
<head>  
    <link rel="stylesheet" ref="style.css">  
</head>
```

Color Property

Used to set the color of foreground

```
color : purple;
```

```
color : #ffffff;
```



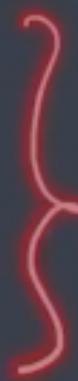
Practice Qs

Write CSS for these Elements according to the given style guidelines:

Hi there!

My name is Tom & I am there to help you.

Need Help



h2 : orange text

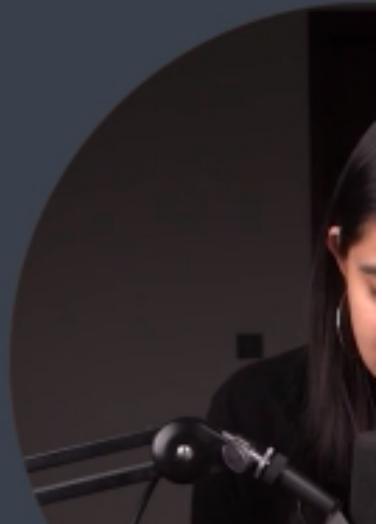
button : blue background color

white text

p : black background color

white text

CSS



Color Systems

Named Colors

color = black;

Each browser recognizes around 140 named colors.

Eg - red, blue, pink, purple, magenta, teal etc.



Color Systems

RGB

color = `rgb(0, 0, 0);`

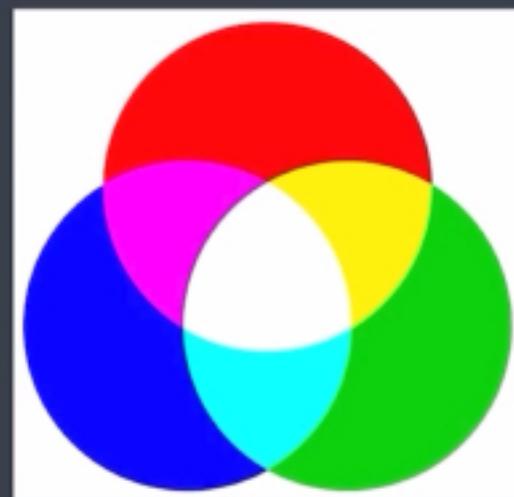
Red Green Blue (0-255)

red is `rgb(255, 0, 0)`

black is `rgb(0, 0, 0)`

blue is `rgb(0, 0, 255)`

yellow is `rgb(255, 255, 0)`





Color Systems



Red Green Blue (0-255)

red is `rgb(255, 0, 0)`

black is `rgb(0, 0, 0)`

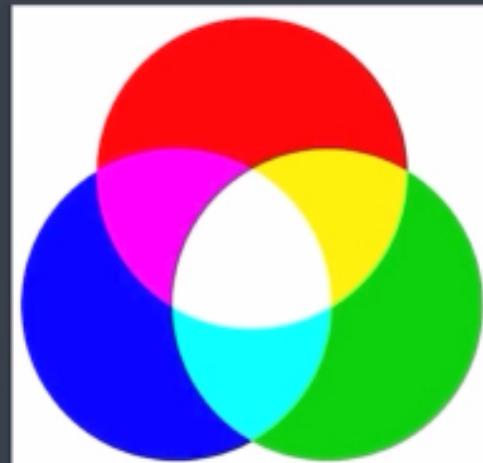
blue is `rgb(0, 0, 255)`

yellow is `rgb(255, 255, 0)`

`color : rgb(255, 0, 0)`

`color = rgb(0, 0, 0);`

Red channel
Green channel
Blue channel



Color Systems

Hexadecimal or Hex

color = #FFFFFF;

Letters : 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F



Number Systems

Decimal (math)

Digits: 0 to 9

used in daily math

base 10

Binary

Digits: 0 & 1

used in computers

base 2

Hexadecimal



Number Systems

Decimal (math)
=

Digits: 0 to 9

used in daily math

base 10

Binary

Digits: 0 & 1

used in computers

base 2

Hexadecimal

6 10

0-9 A,B,C,D,E,F (16 chars)

hex code / color

base 16

0-9 0-9 0-9

000 - 999

0,1 0,1 0,1

000 \leftrightarrow 111



Color Systems

R: 0 - 255
hexcode: 00 - ff

Hexadecimal or Hex

#ffa511

—
#000000

—
#0000ff

—
#ffff00

CSS



Text Properties

text-align

font-weight

text-decoration

line-height

letter-spacing

font-size

text-align

→ parent element

`text-align: left / start`

`text-align: right / end`

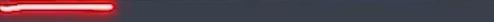
nit.kumarsingh.cse26@heritageit.edu.in

`text-align: center`

`text-align: justify`



font-weight



font-weight: normal //400

font-weight: bold //700

font-weight: 100

font-weight: bolder

font-weight: lighter

text-decoration

sets the appearance of decorative lines on text like underline

text-decoration: underline

text-decoration: overline

text-decoration: line-through

text-decoration

text-decoration: **red** underline

text-decoration: **wavy** overline

text-decoration: **dotted** line-through



line-height

controls the **height** of the line of text

line-height: normal

line-height: 2.5

line-height

controls the **height** of the line of text

line-height: normal

asmit.kumarsingh.cse26@heritageit.edu.in

line-height: 2.5

abc
def ↑↓

letter-spacing

controls the **horizontal spacing** behavior between text characters

letter-spacing: normal

letter-spacing: 10px



Font-size units in CSS

cm ✓

Absolute

px

pt

pc

cm

mm

in

Relative

%

em

rem

ch

vh

vw + many more



Pixels (px)

most commonly used absolute unit

$96\text{px} = 1 \text{ inch}$

not suitable for responsive websites

`font-size: 50px ;`



font-family



apnacollege.in is now full screen

Exit Full Screen (Esc)

specifies a prioritized list of one or more font family names

font-family: arial ;

font-family: avant garde, didot, sans-serif ;

backup family
of fonts



Practice Qs

Design the given Apna College logo using CSS instructions

- set the font-family to League spartan
- set the color of text to #ffa511
- center align the text
- make the text size 55px & font-weight 900
- set spacing between letters to 2px
- set the line height to 1.5x the normal value
- add a teal double underline
- uppercase all the letters only using css (use Google)

